

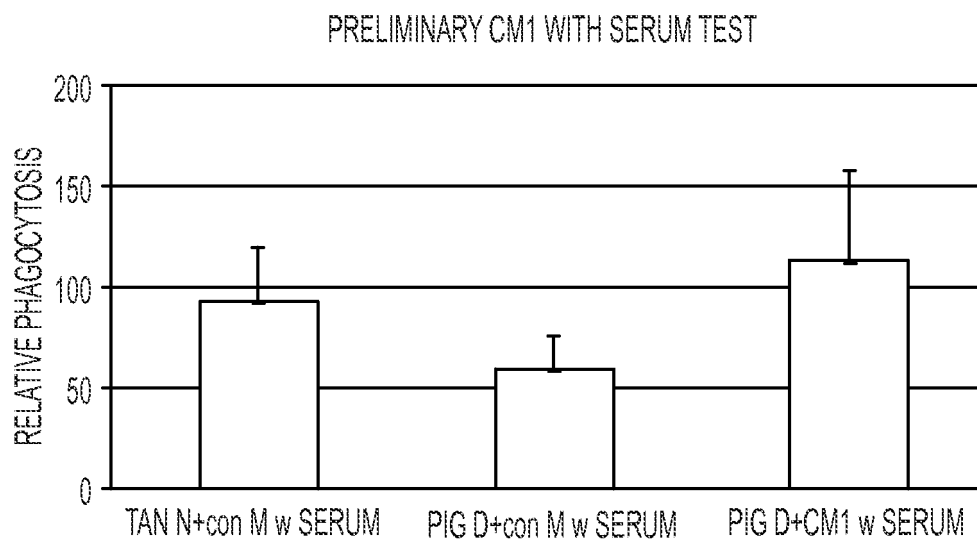


FIG. 1A

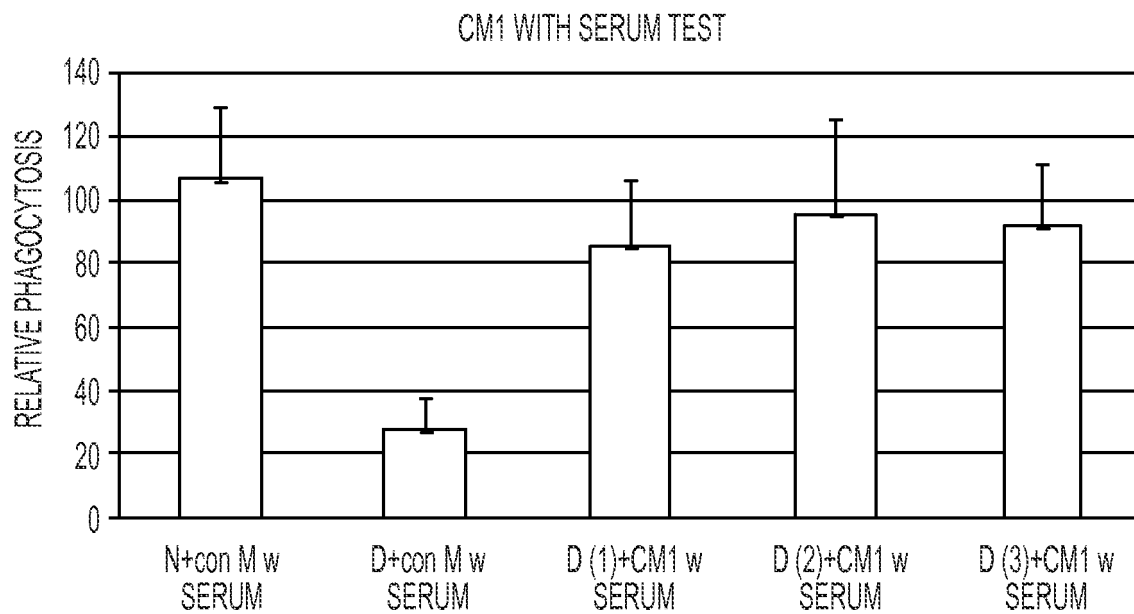


FIG. 1B

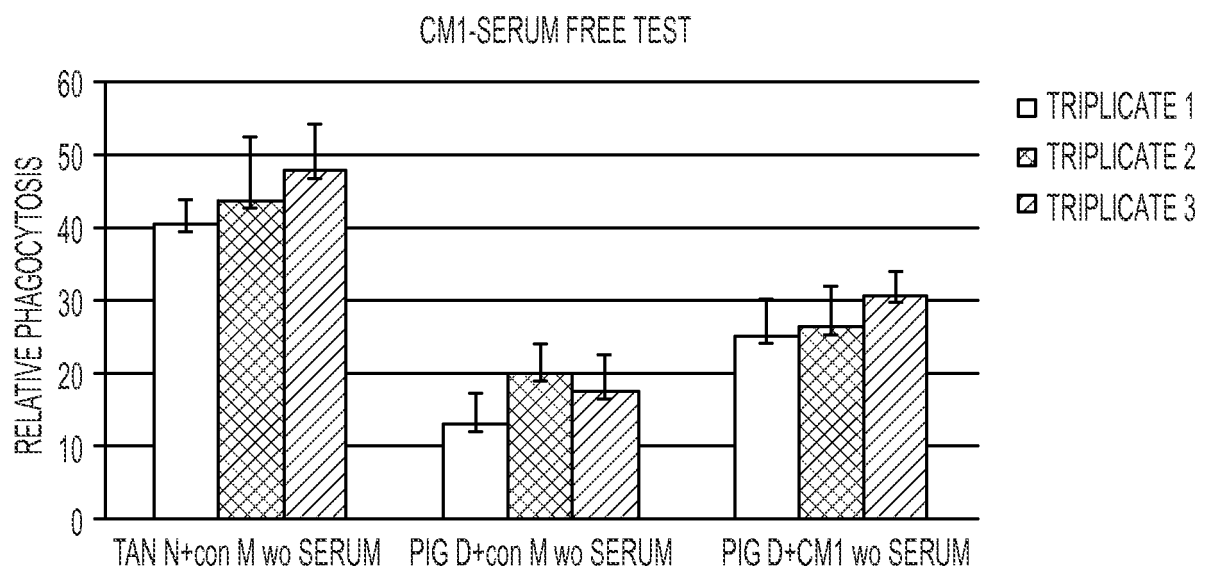


FIG. 2

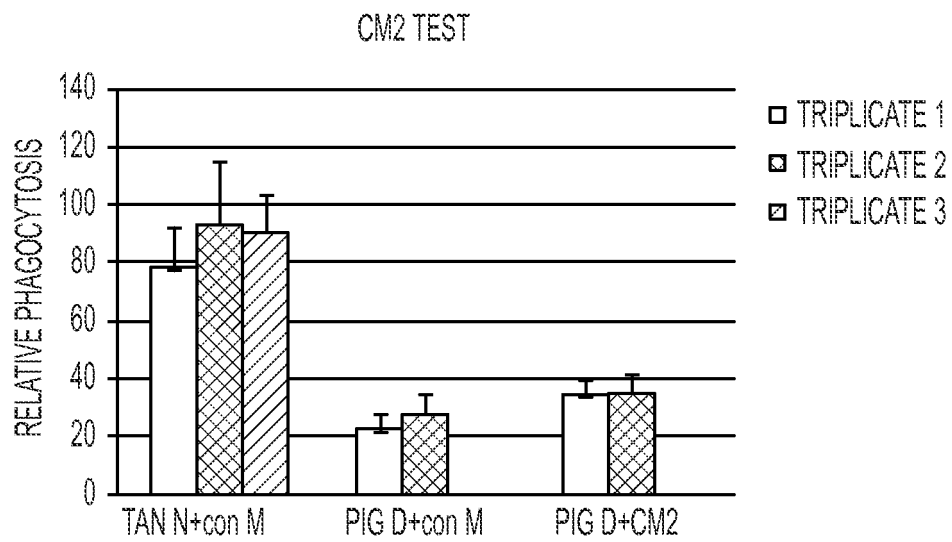


FIG. 3A

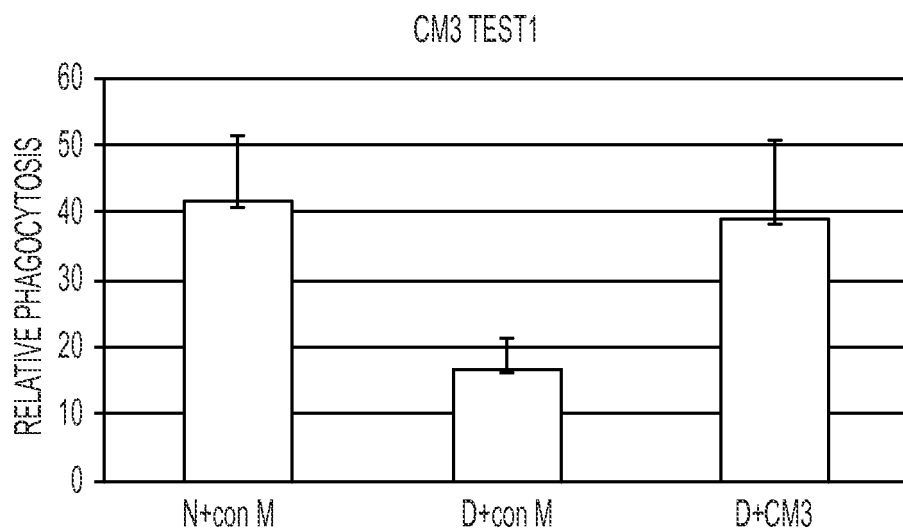


FIG. 3B

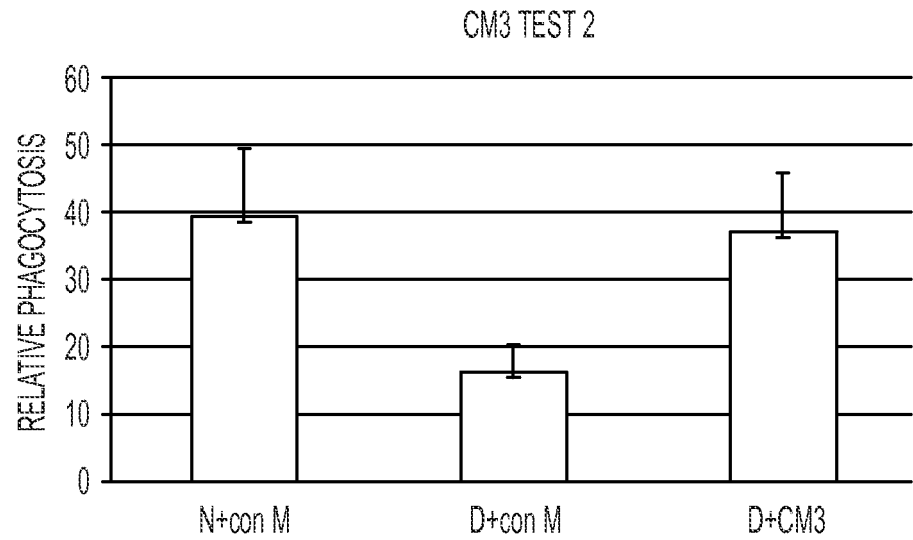


FIG. 3C

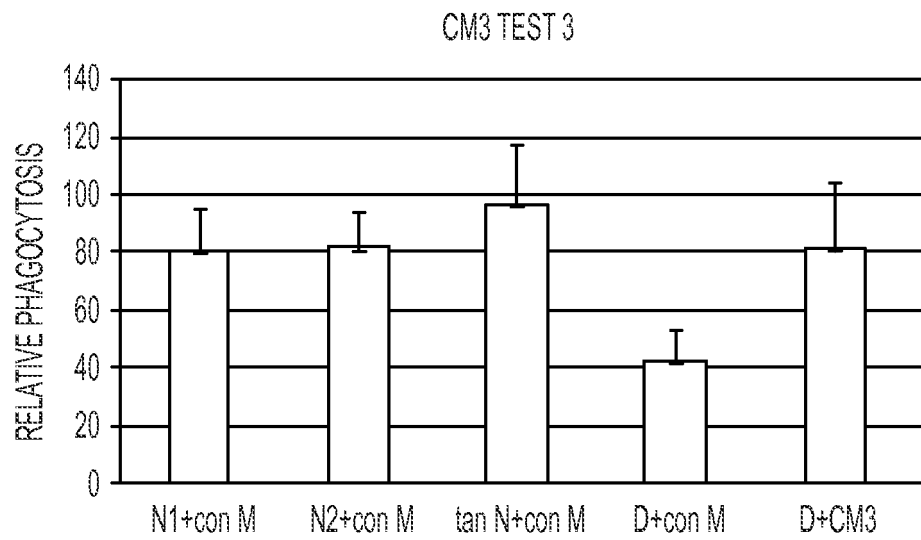


FIG. 3D

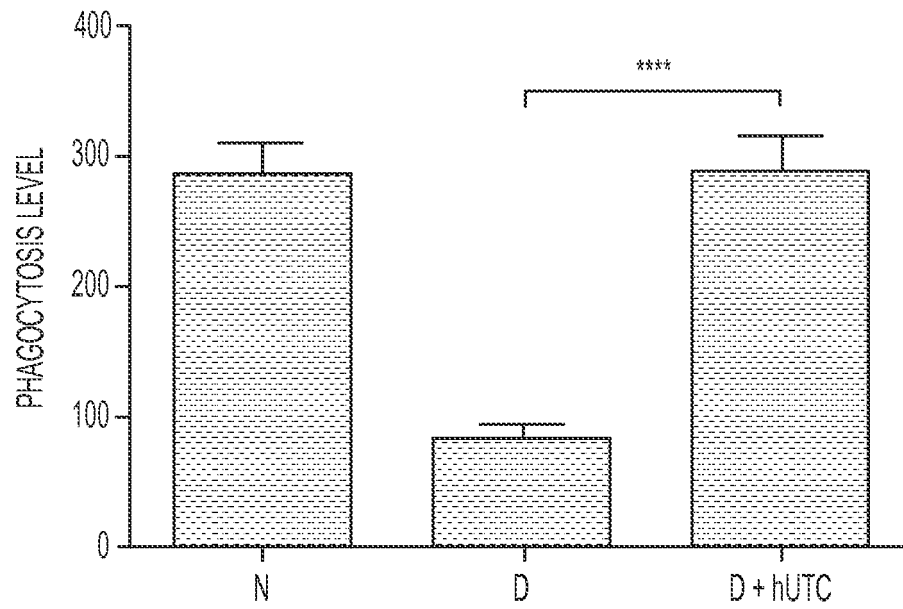


FIG. 4A

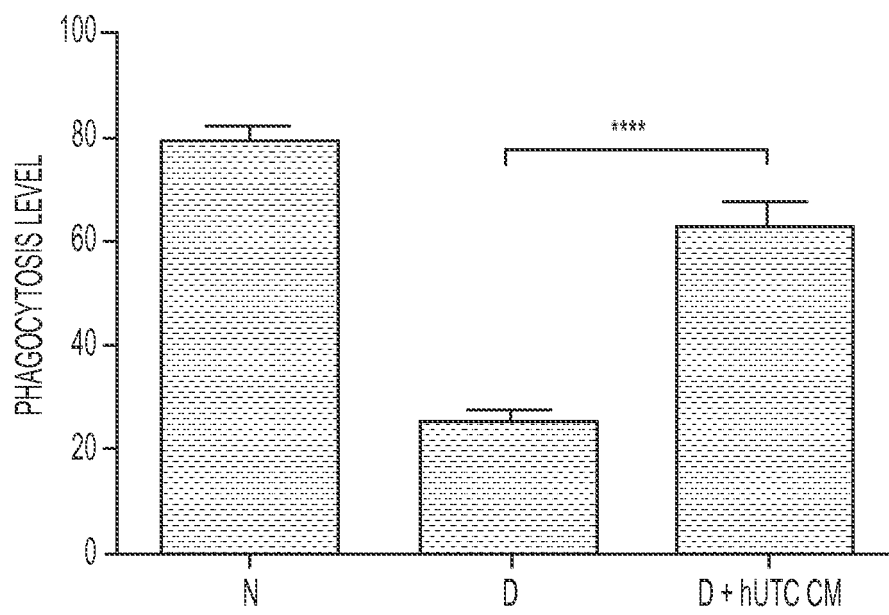


FIG. 4B

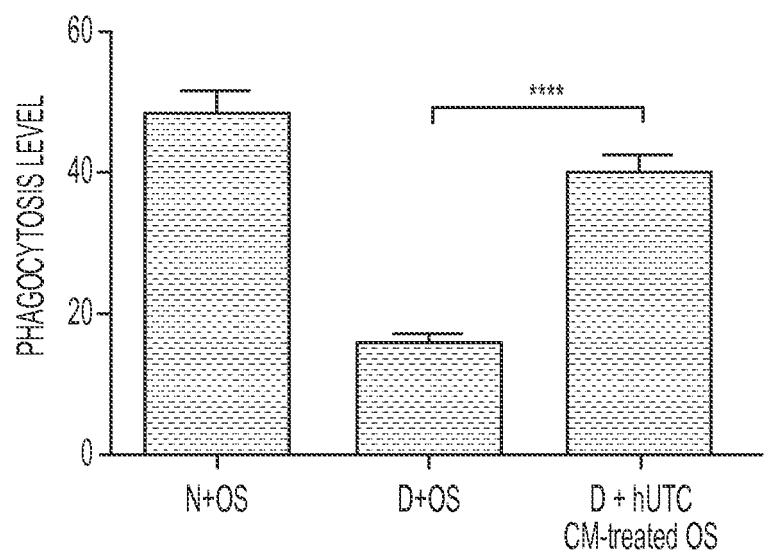


FIG. 4C

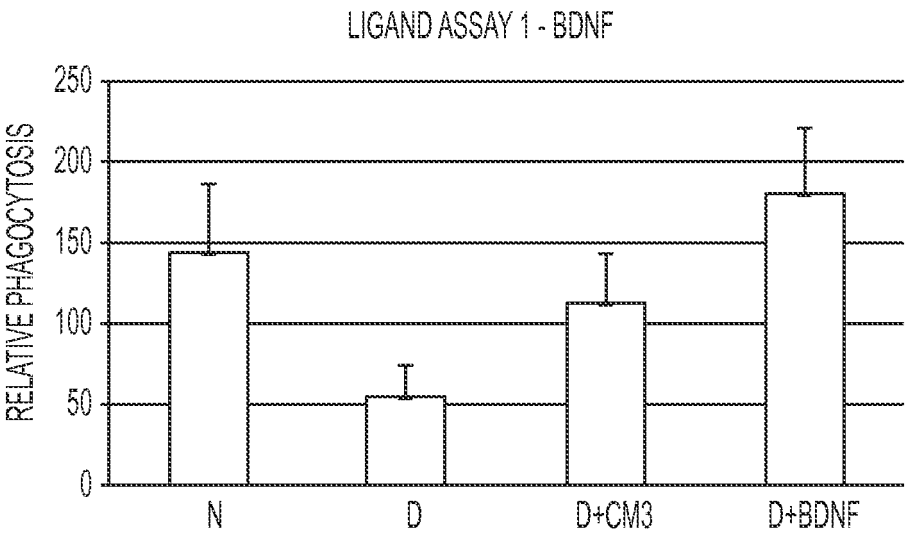


FIG. 5A

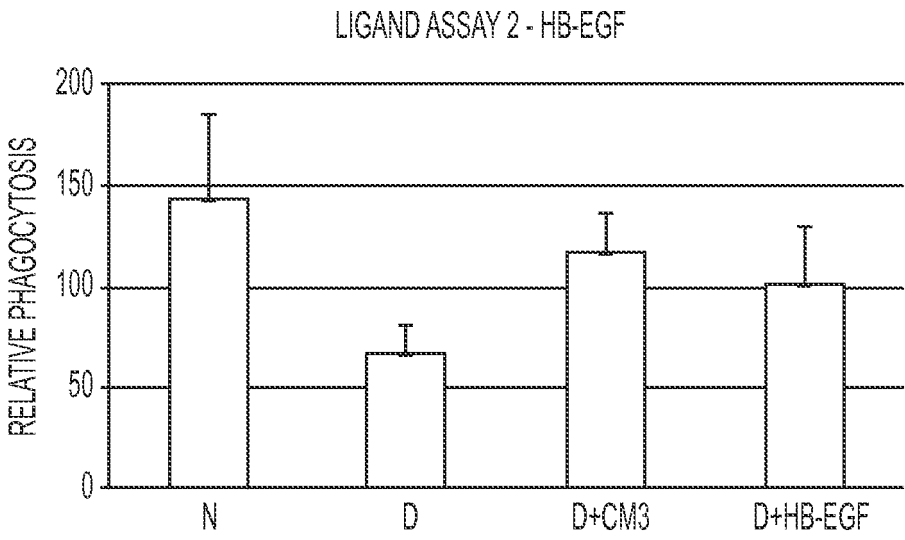


FIG. 5B

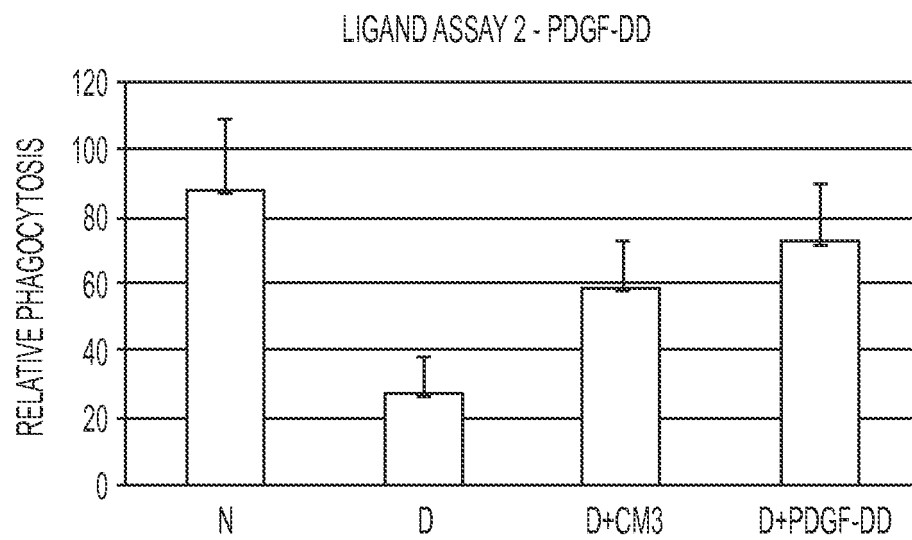


FIG. 6A

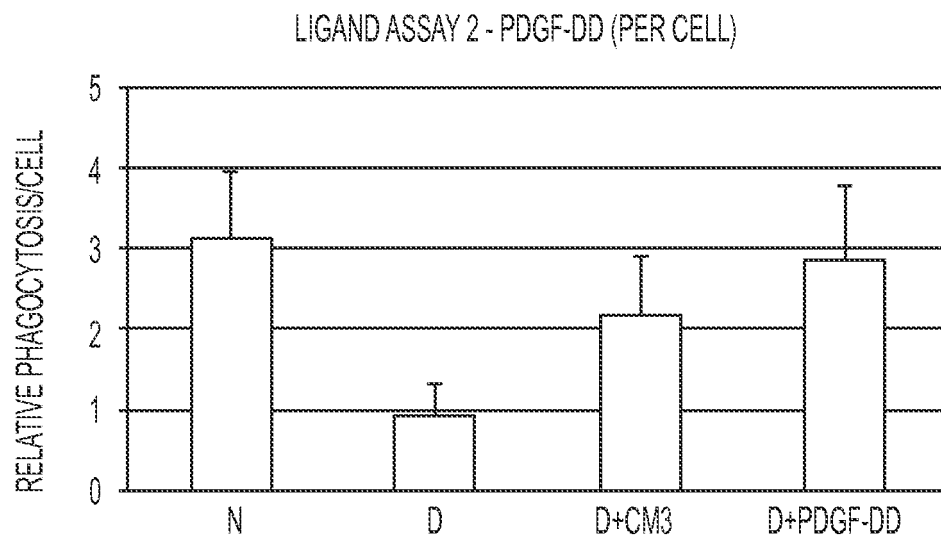


FIG. 6B

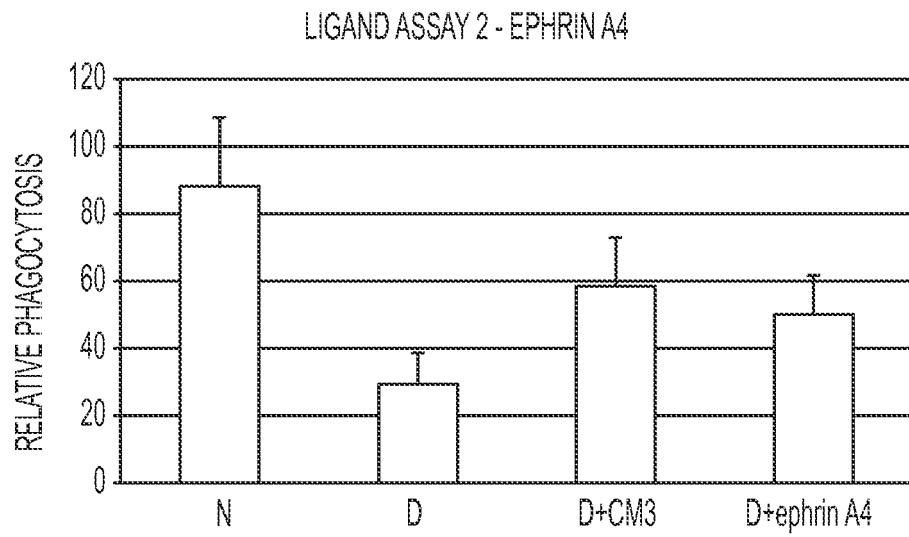


FIG. 6C

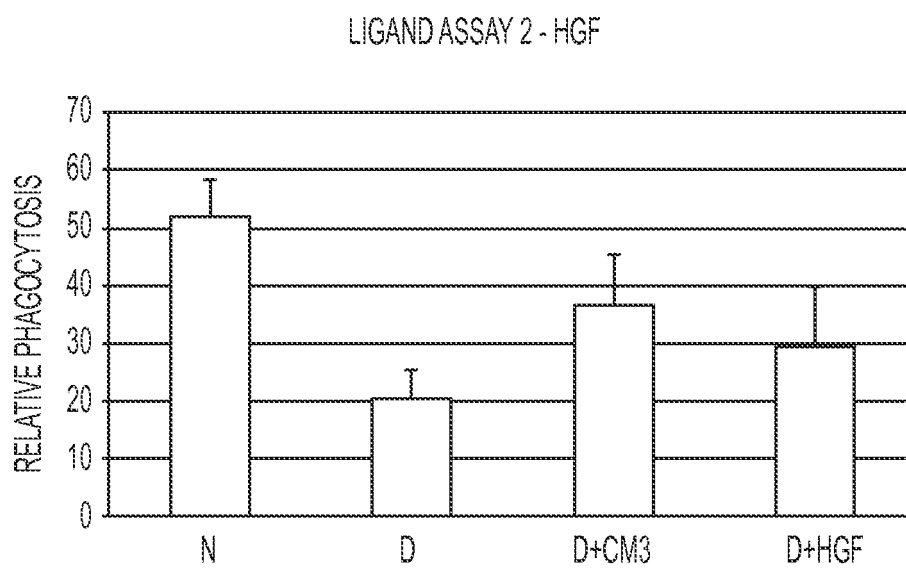


FIG. 6D

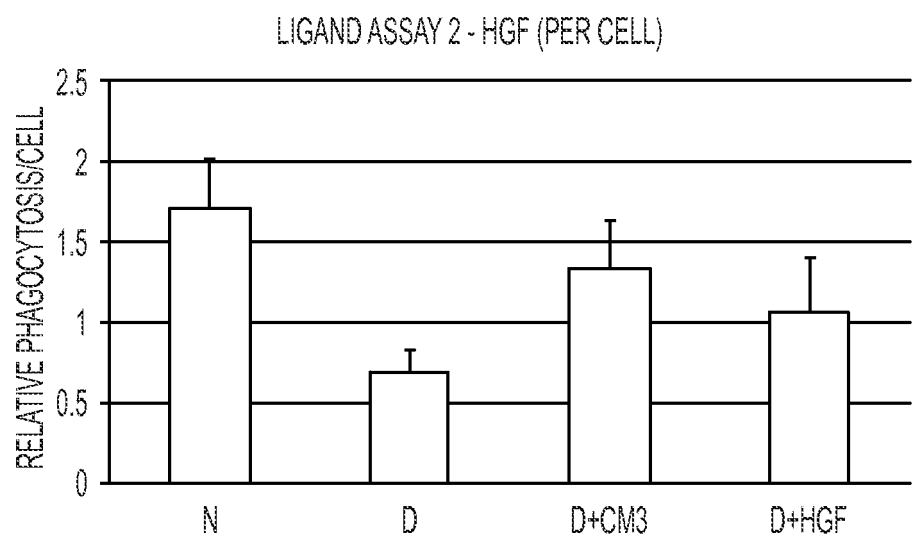


FIG. 6E

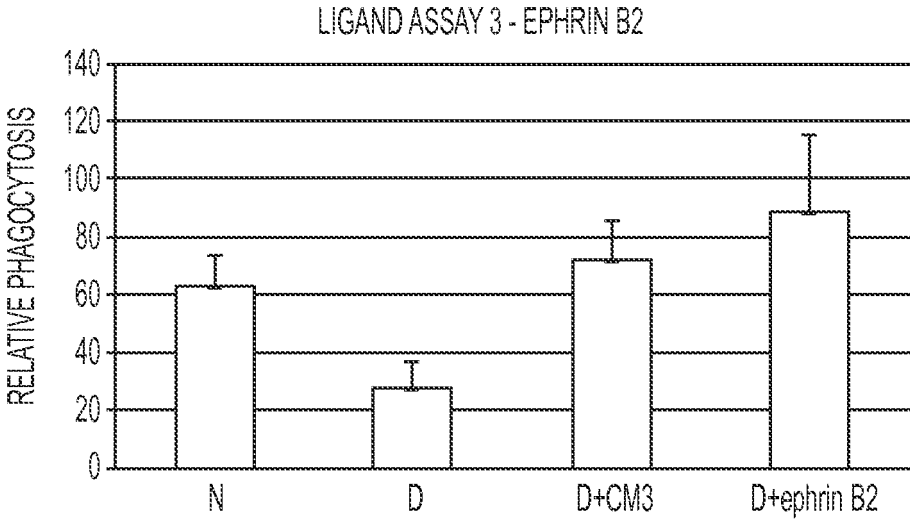


FIG. 7A

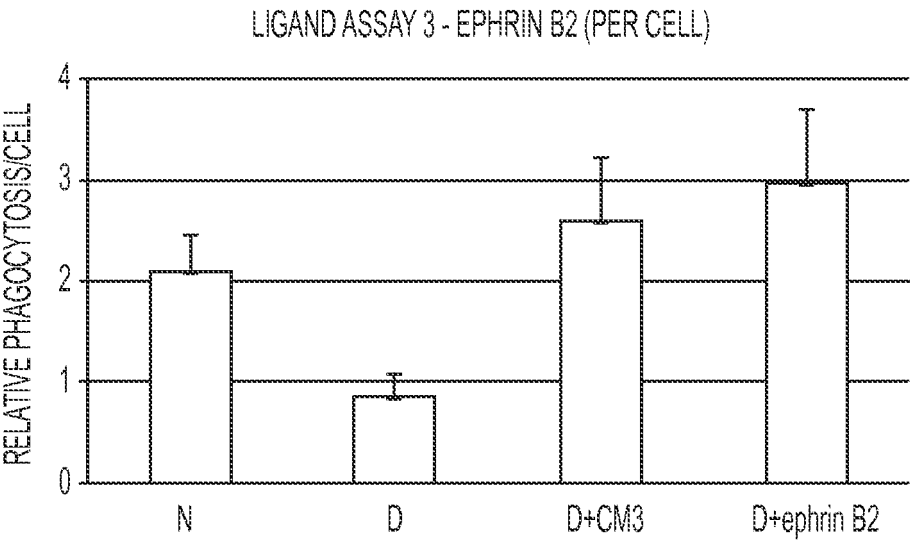


FIG. 7B

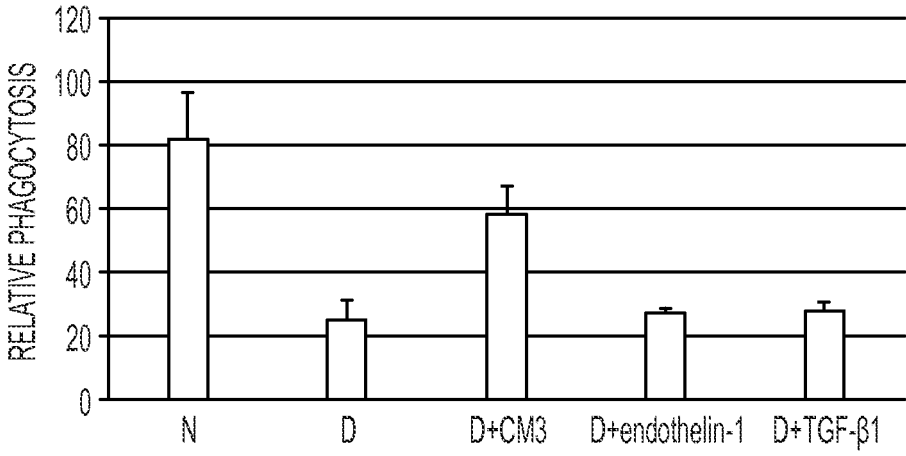


FIG. 8A

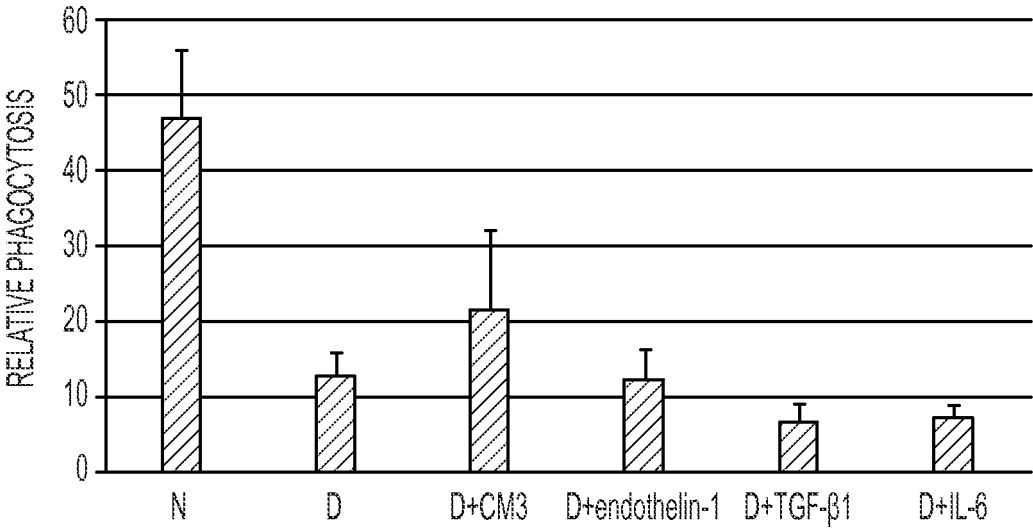


FIG. 8B

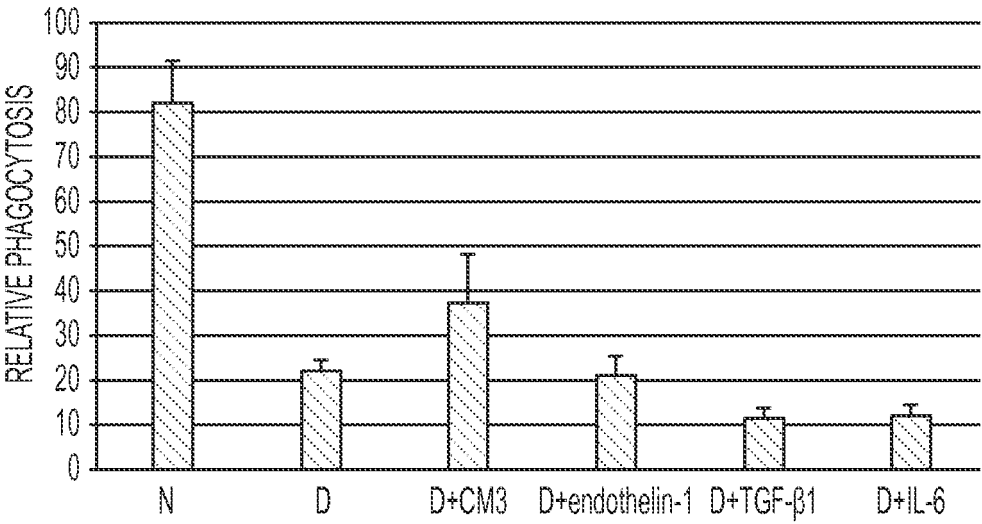


FIG. 8C

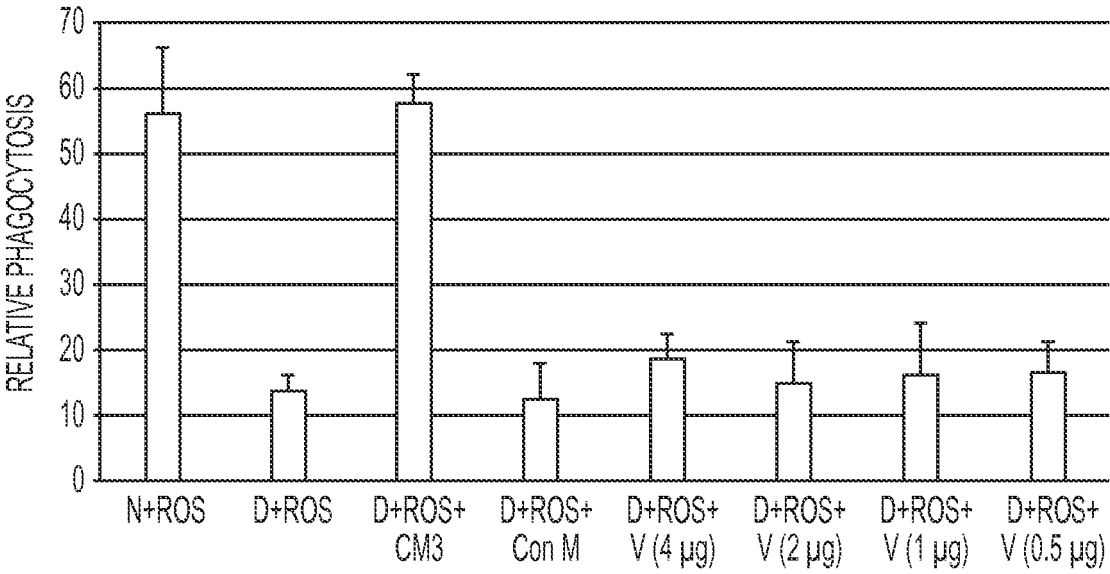


FIG. 9

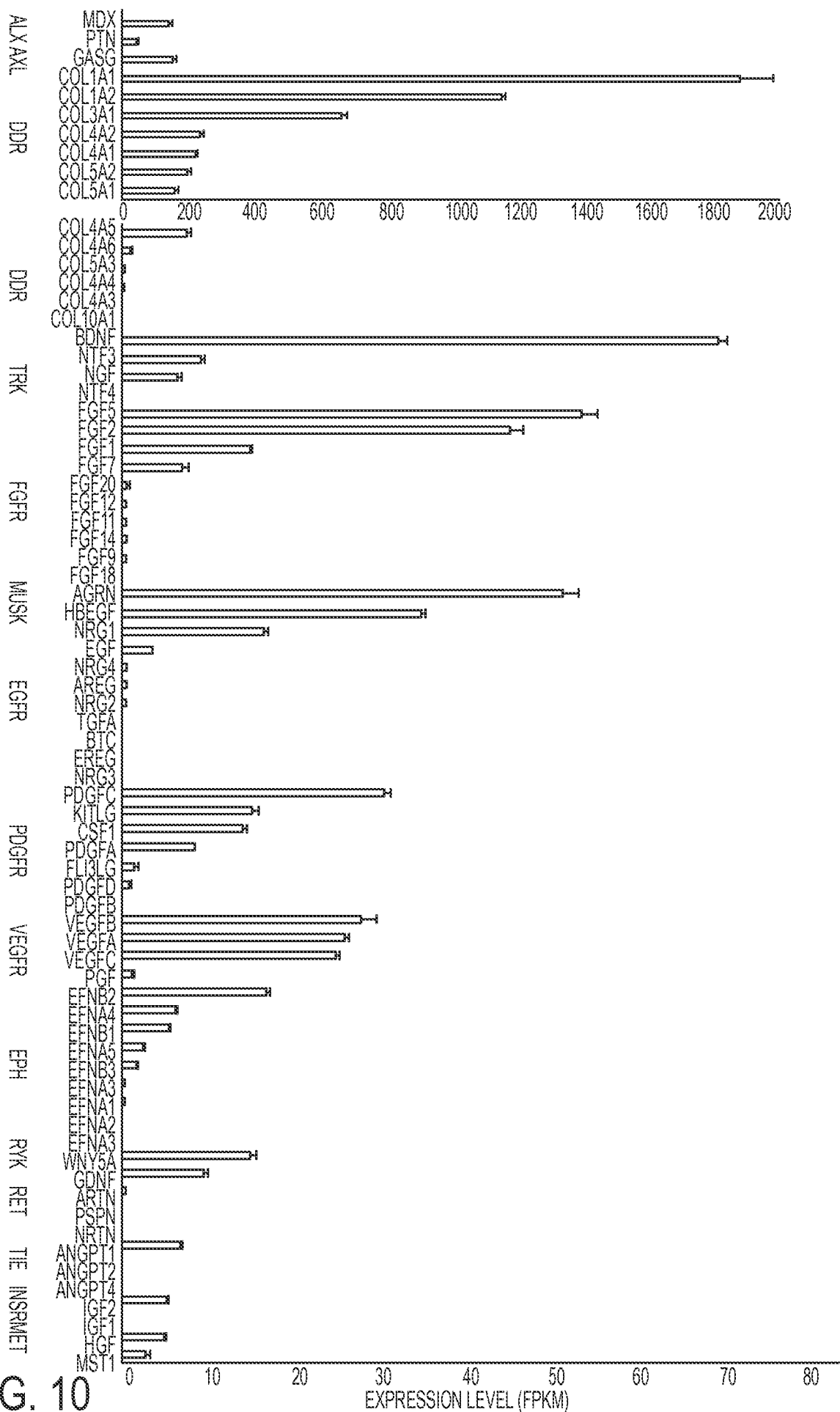


FIG. 10

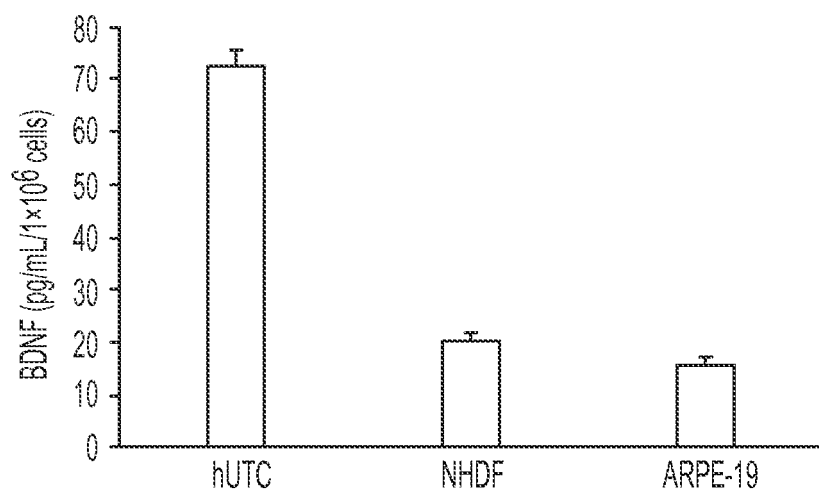


FIG. 11A

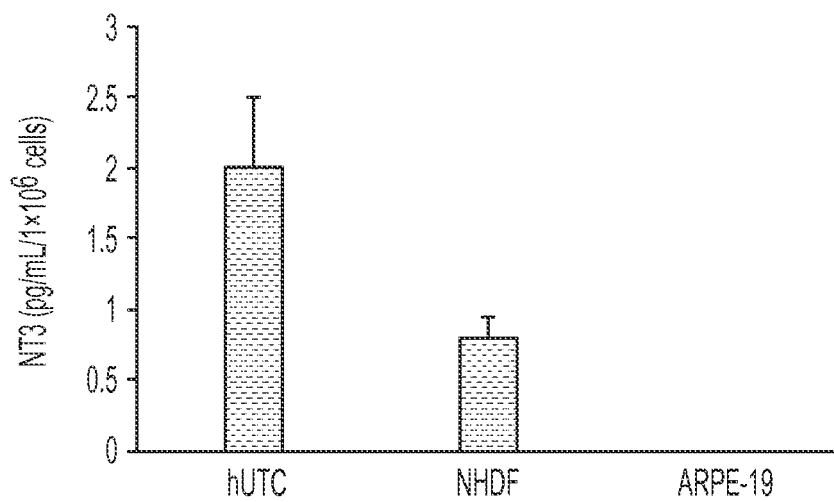


FIG. 11B

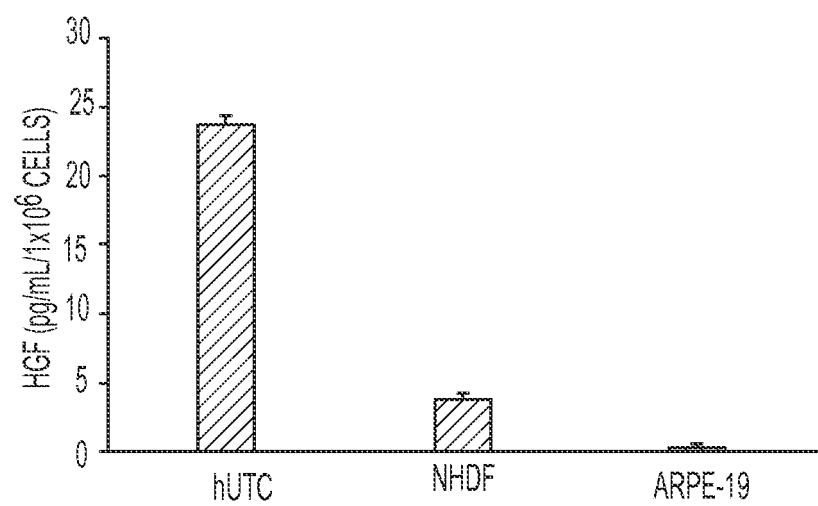


FIG. 11C

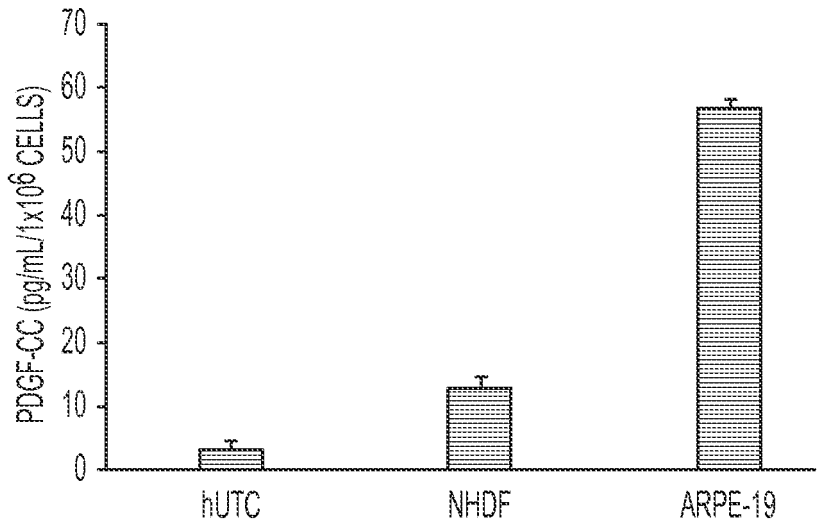


FIG. 11D

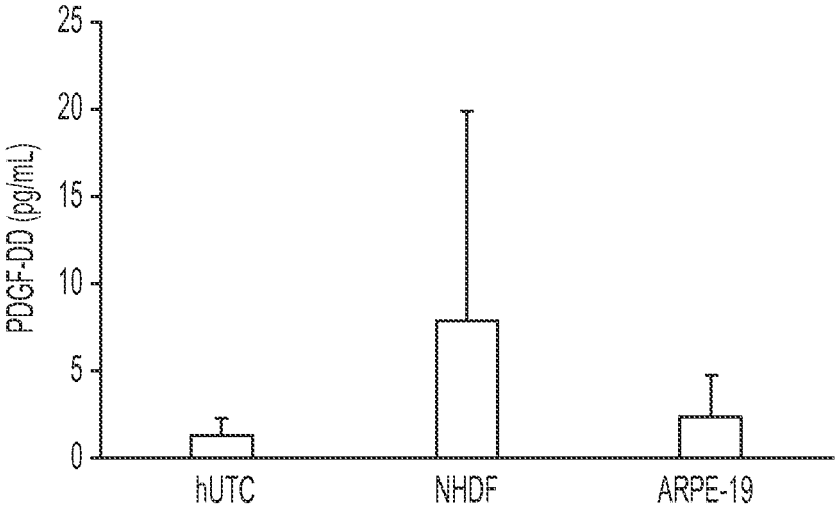


FIG. 11E

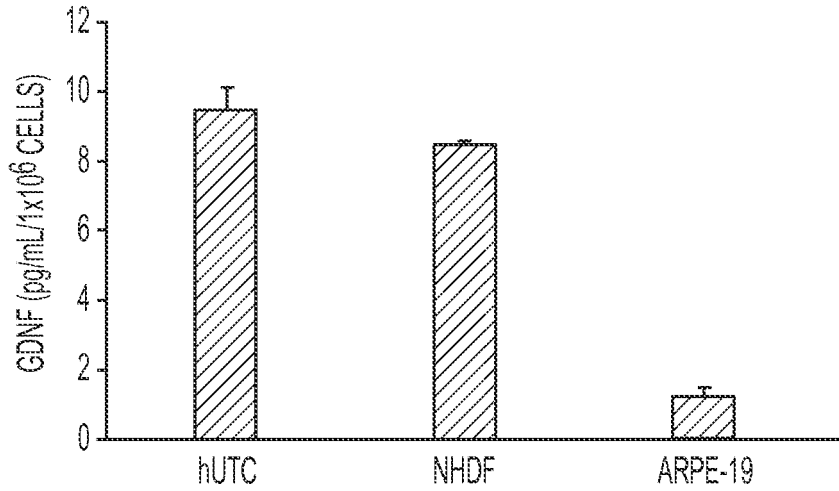


FIG. 11F

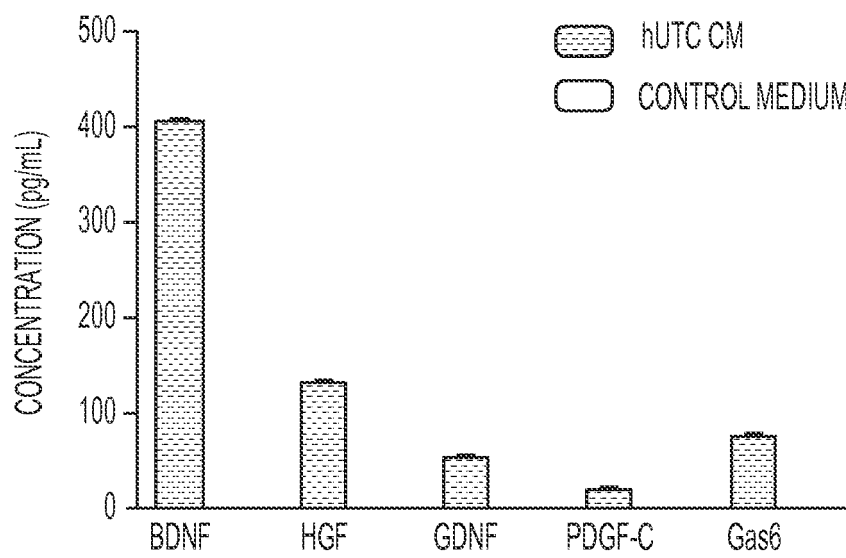


FIG. 11G

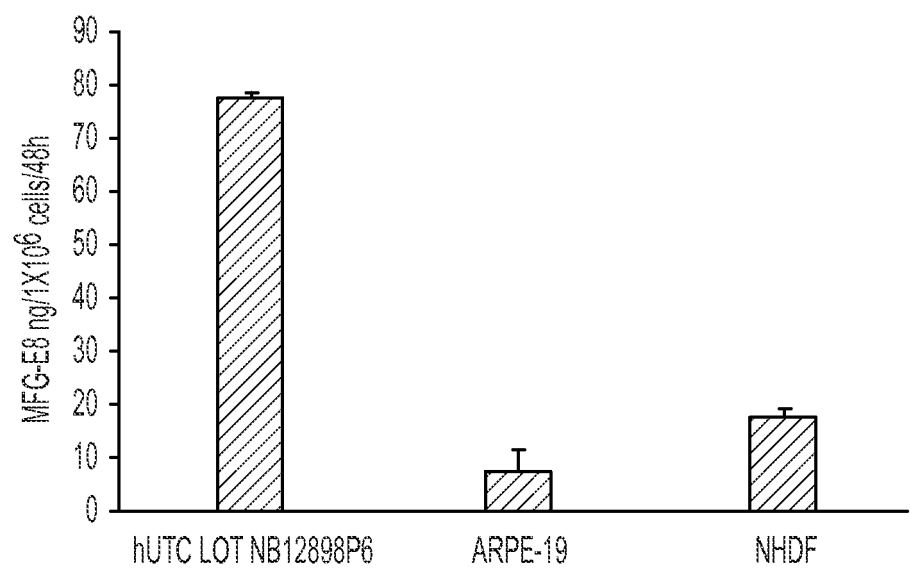


FIG. 12A

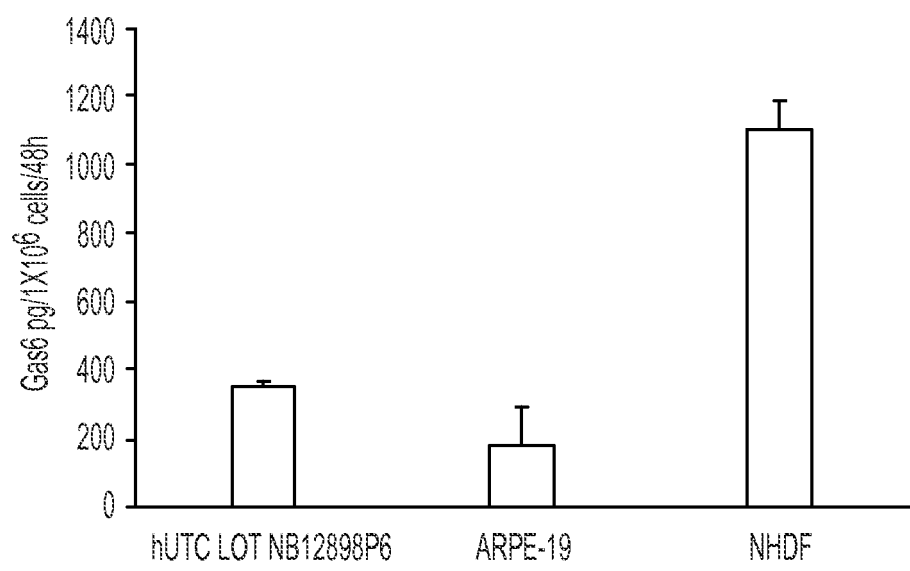


FIG. 12B

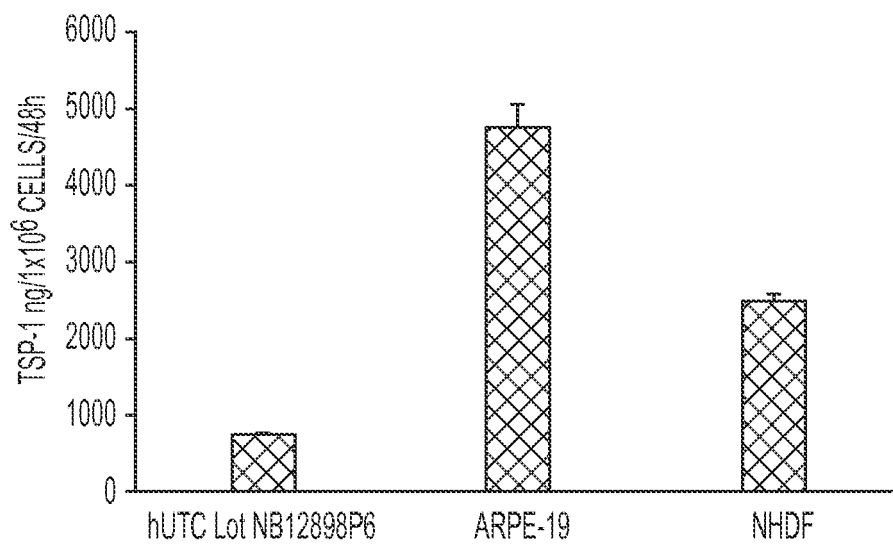


FIG. 12C

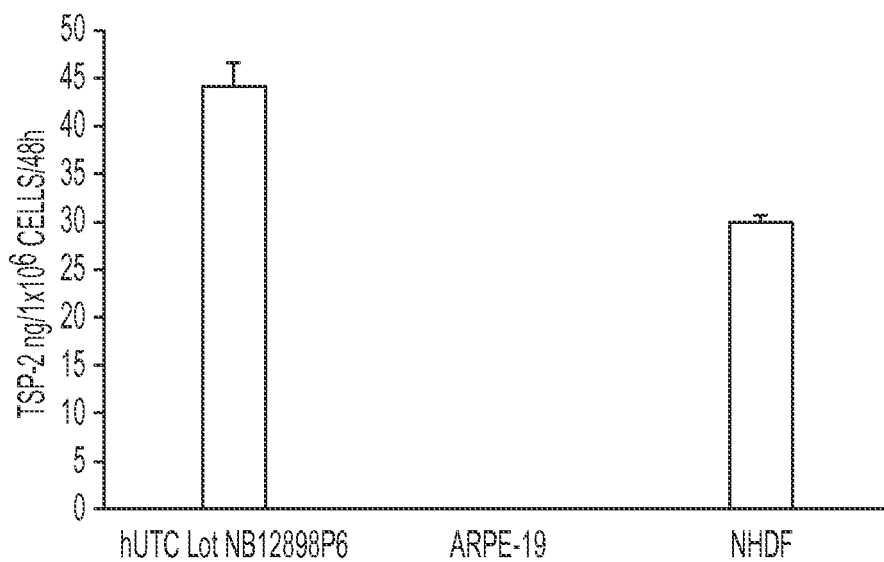


FIG. 12D

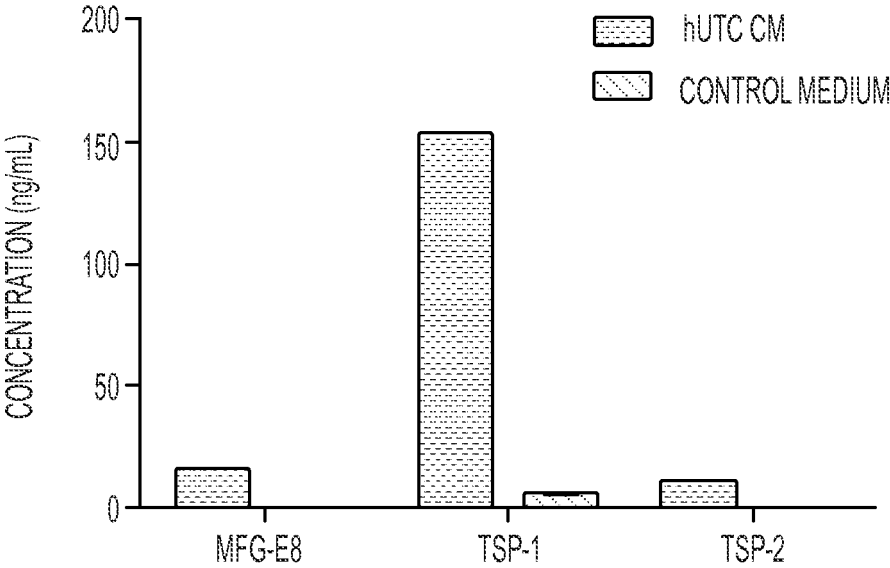


FIG. 12E

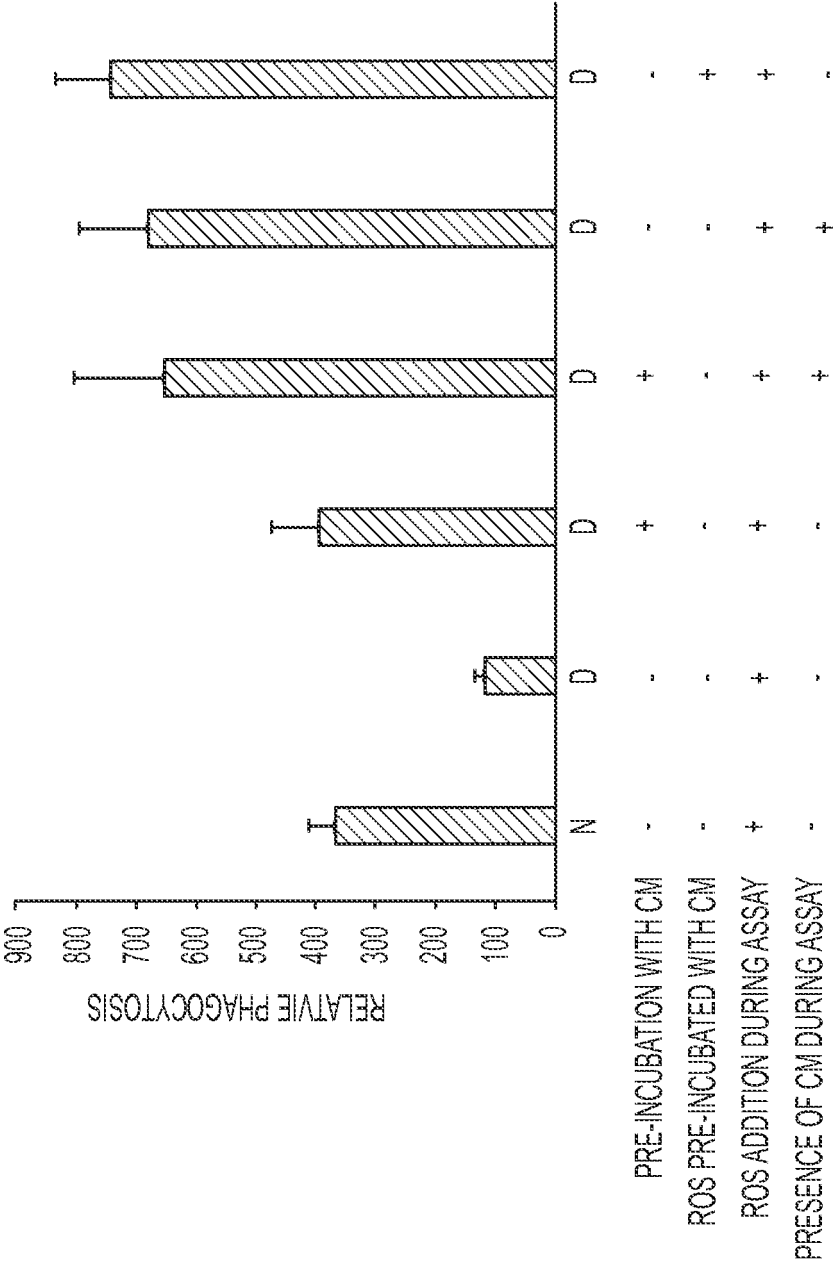


FIG. 13A

CM3X2-CM3 BEFORE AND AFTER ROS ADDITION; MitoCM3-CM3 ADDED WITH ROS, NO PREINCUBATION; CM3+ROS-ROS PREINCUBATED WITH CM3, SPUN, AND ADDED																										
																								AVG	STDEV	RATIO
N	382	388	350	341	317	372	300	369	417	378	314	409	445	307	419									367.2	44.9	1
D	92	99	128	144	132	118	137	131	121	111	95	122	141	122	82	134	127	131	140					121.4	17.87	0.331
D-CM3	240	348	362	423	440	425	454	459	269	415	356	358	419	317	519	453	477	298	415	489				396.8	75.56	1.081
D-CM3x2	388	431	559	647	638	738	728	691	632	743	906	889	739	710	441	596								654.8	148.3	1.783
D-MitoCM3	828	651	680	584	558	892	545	619	772	701	643	778	490	574	692	748	829							681.4	114	1.856
D-CM3+ROS	648	659	739	748	835	881	728	679	689	692	683	824	602	643	870	881	801							741.3	90.83	2.019

FIG. 13B

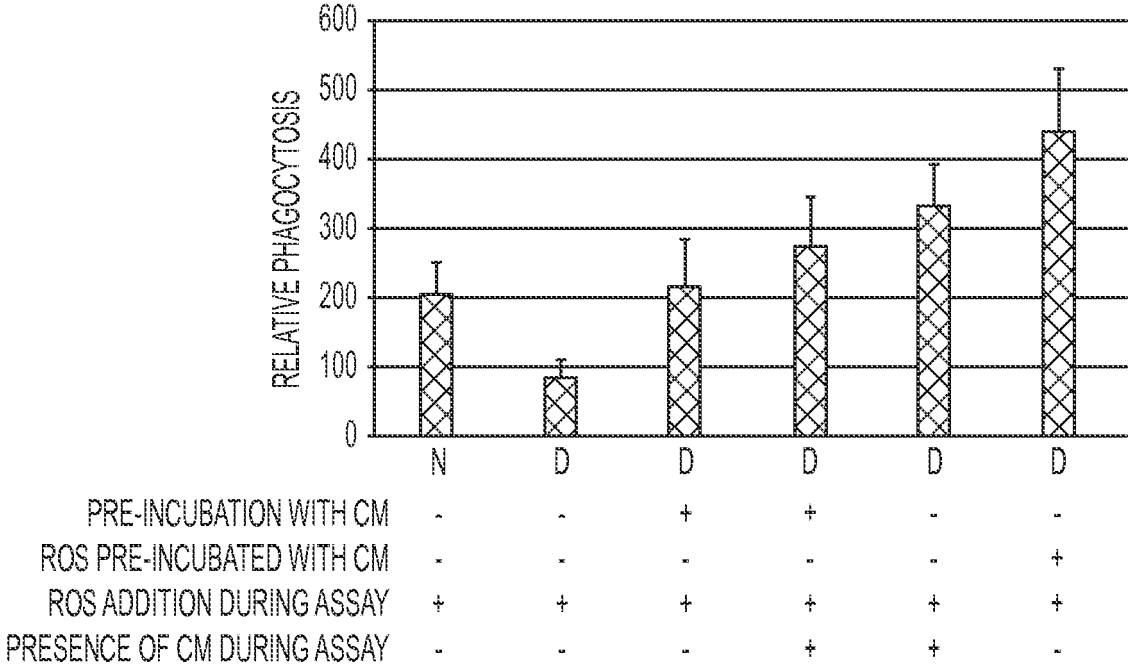


FIG. 13C

																			AVG	STDEV	RATIO
N1	205	130	183	201	205	174	172	227	180	142	226	212							188	30.61	1
N2	322	319	189	164	220	241	179	159	216	188	245	212							221	53.82	
N																			//205//	46.03	1
D1	67	54	53	62	76	81	68	49	104	98	79	63							71.2	17.25	0.38
D2	98	144	79	117	116	81	74	94	72	115	104	119							101	22.1	
D																			//86.1//	24.68	0.42
D1	159	134	145	124	157	264	161	178	150	117	192	214							166	41.31	0.88
D2	276	291	231	267	272	247	287	281	342	202	334	216							271	42.39	
D CM3																			//218//	67.16	1.07
D CM3x2 1	196	213	189	465	215	246	260	239	297	220	174	291							250	77.61	1.33
D CM3x2 2	322	272	423	305	378	234	334	268	338	263	249	225							301	60.36	
D CM3x2																			//276//	72.72	1.35
D MtoCM3 1	350	309	383	308	277	404	288	341	435	311	353	286							335	52.12	1.78
D MtoCM3 2	498	330	328	249	306	312	275	395	304	369	340	307							334	64.34	
D MtoCM3																			//335//	57.26	1.64
D ROS+CM3 1	410	331	467	301	479	502	535	418	423	366	575	311							428	87.44	2.28
D ROS+CM3 2	401	350	356	451	565	493	403	472	373	442	677	466							454	93.7	
D ROS+CM3																			//441//	89.61	2.16

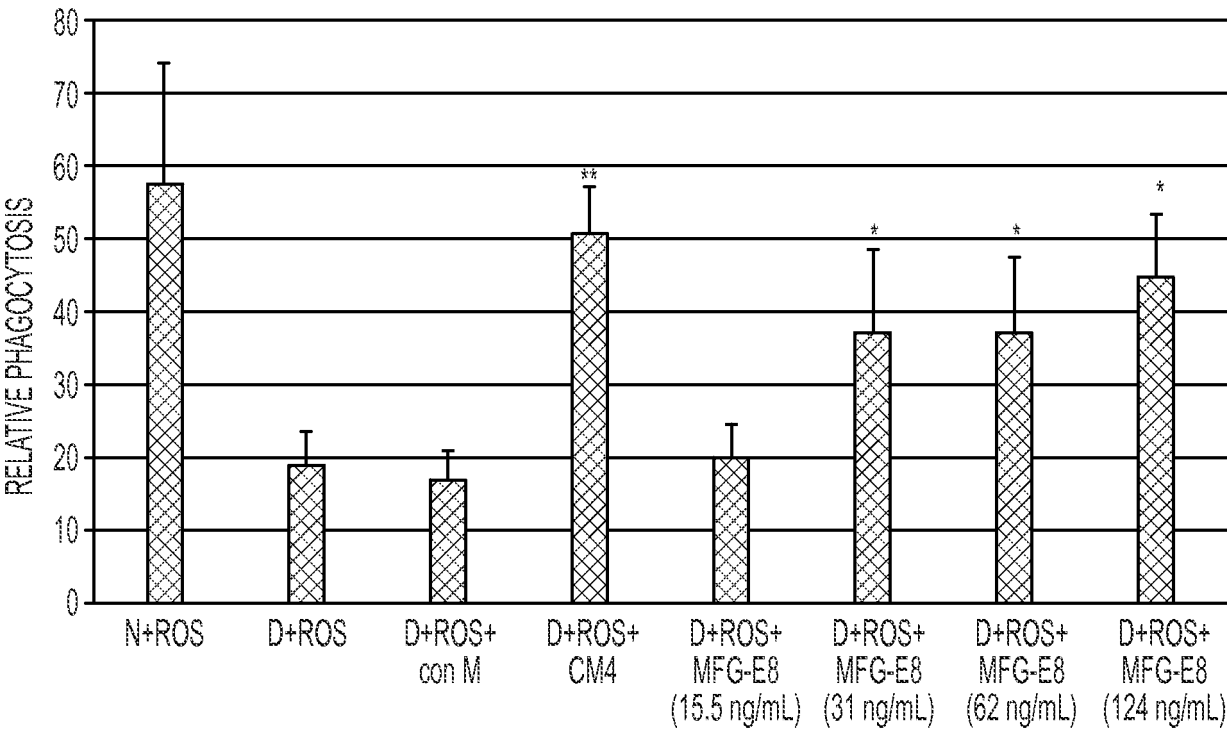


FIG. 14A

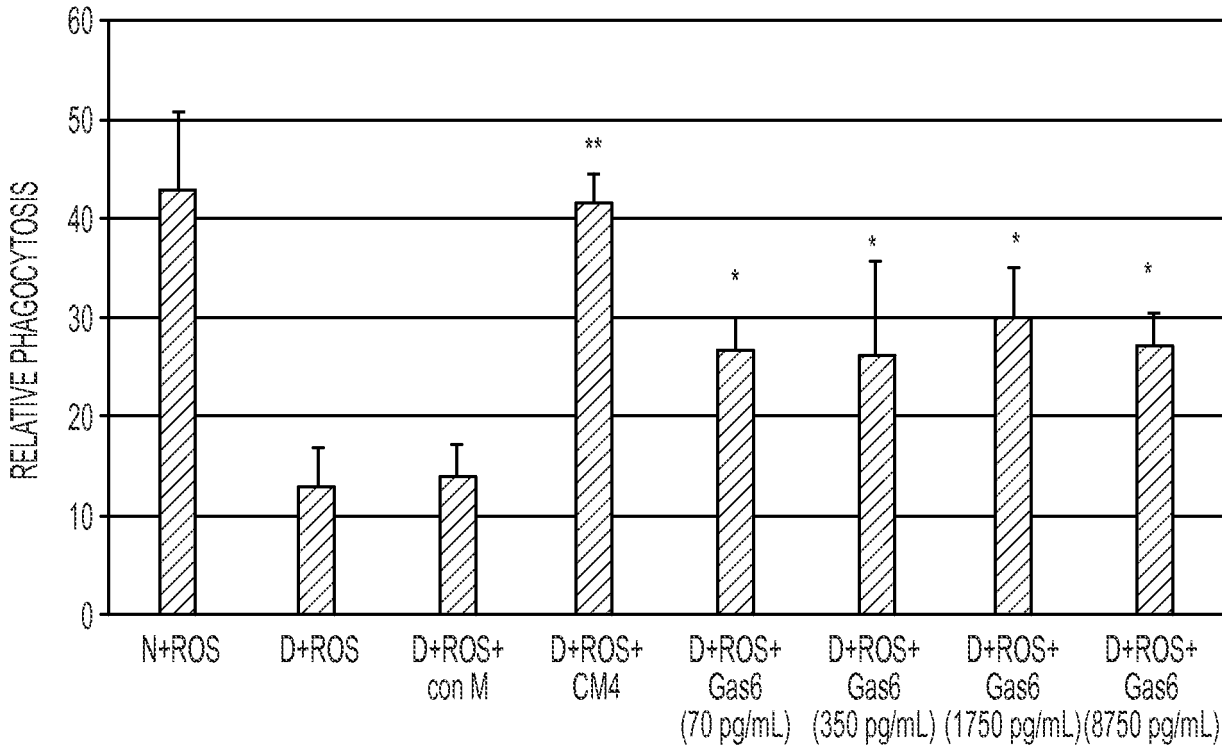


FIG. 14B

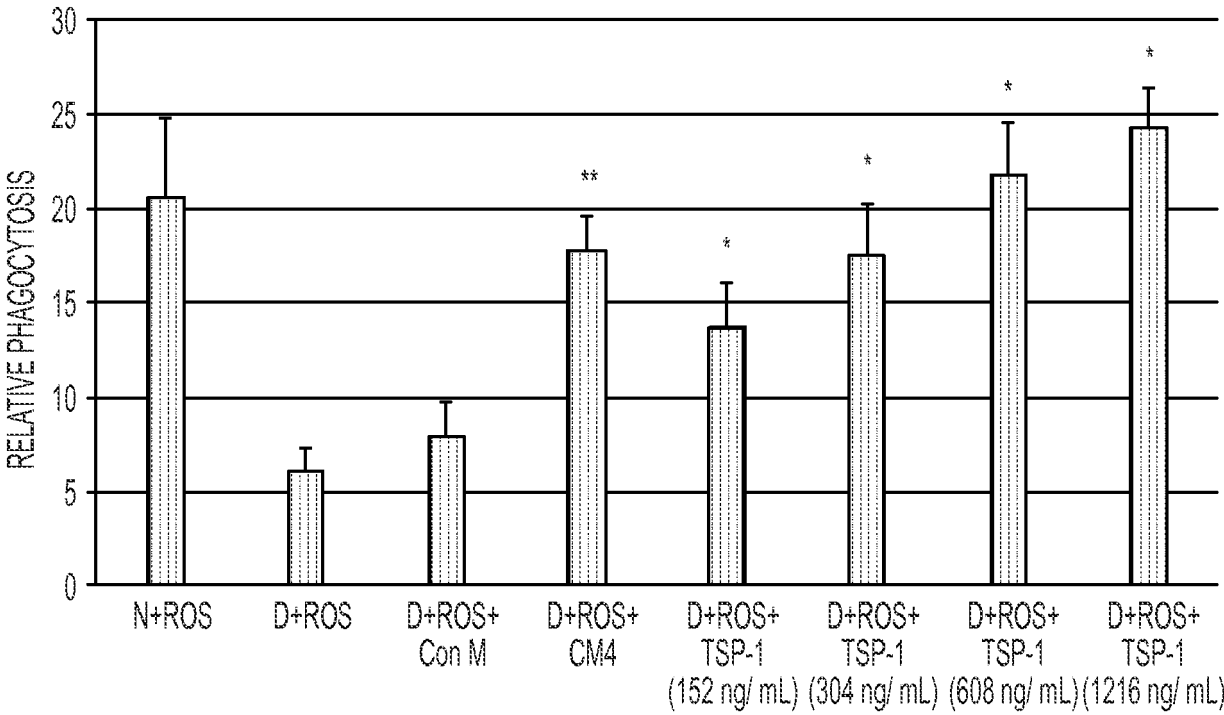


FIG. 14C

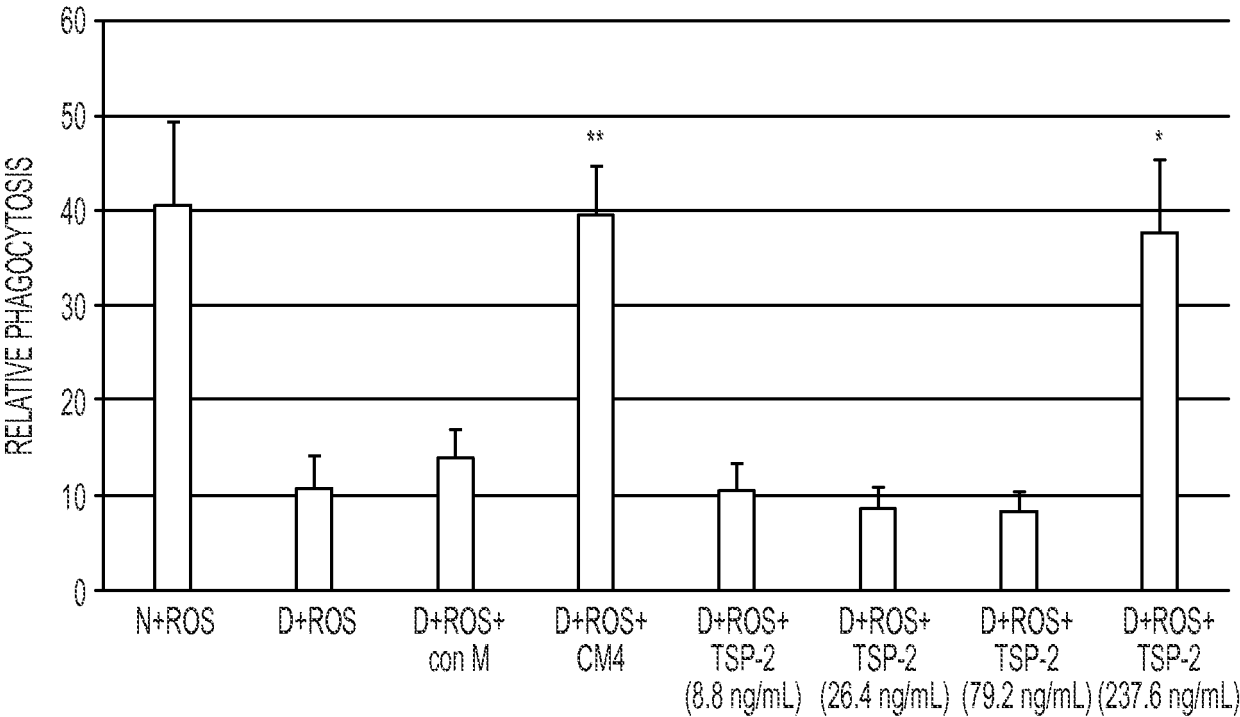


FIG. 14D

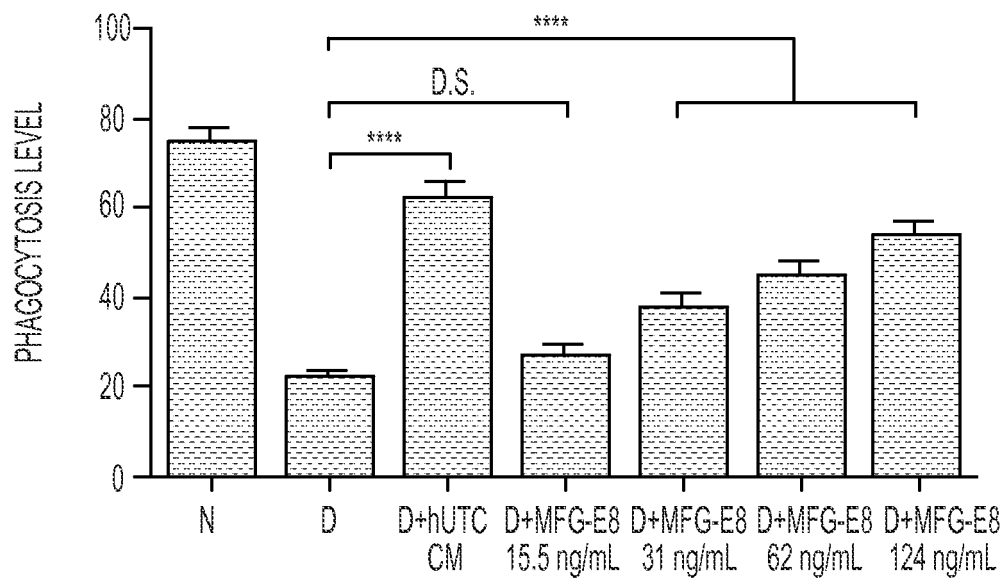


FIG. 14E

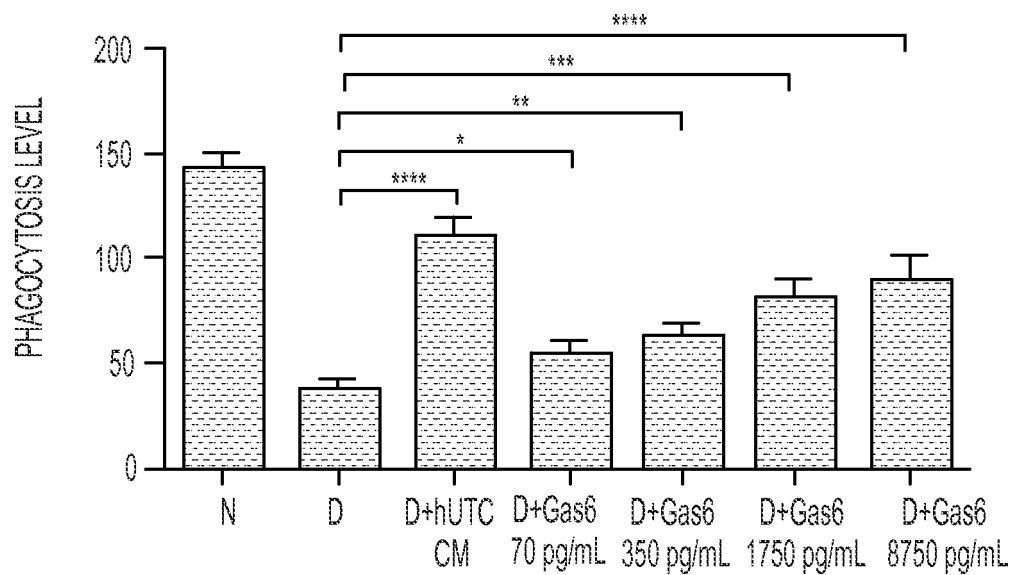


FIG. 14F

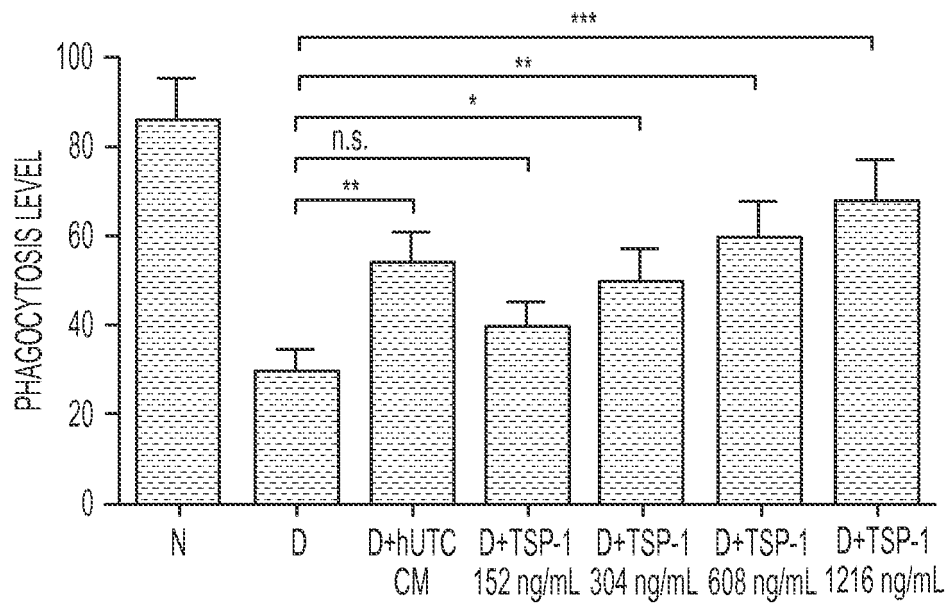


FIG. 14G

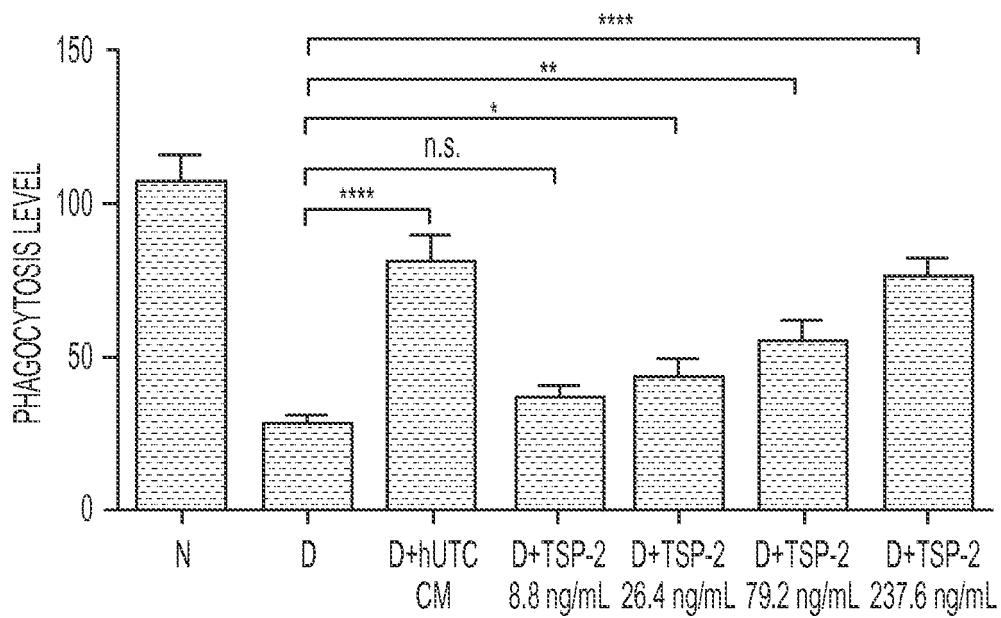


FIG. 14H

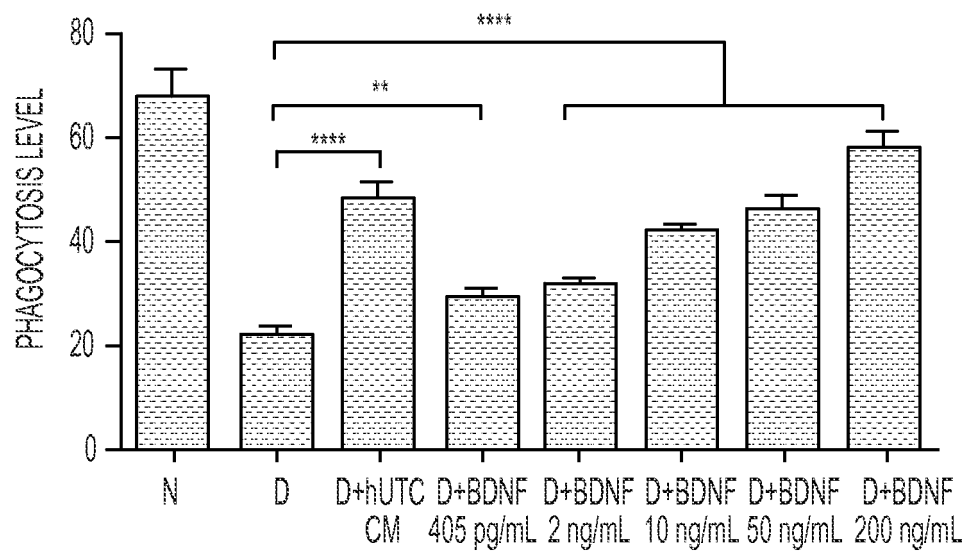


FIG. 14I

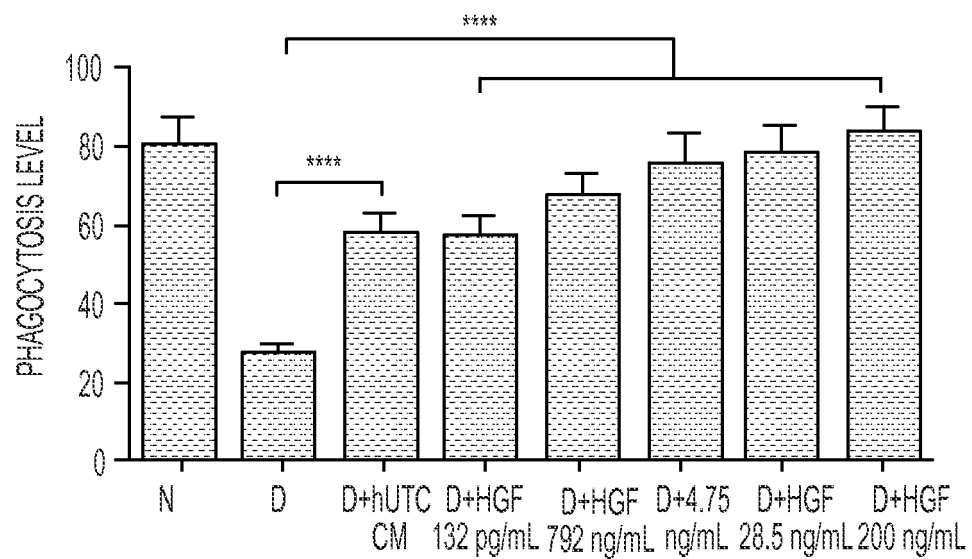


FIG. 14J

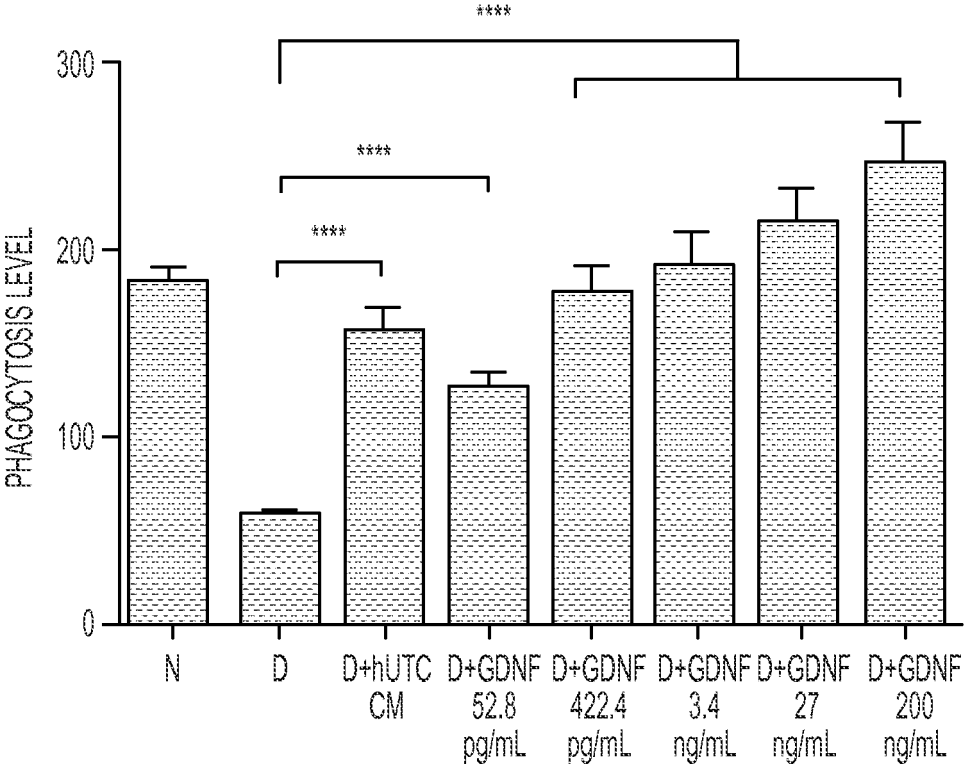


FIG. 14K

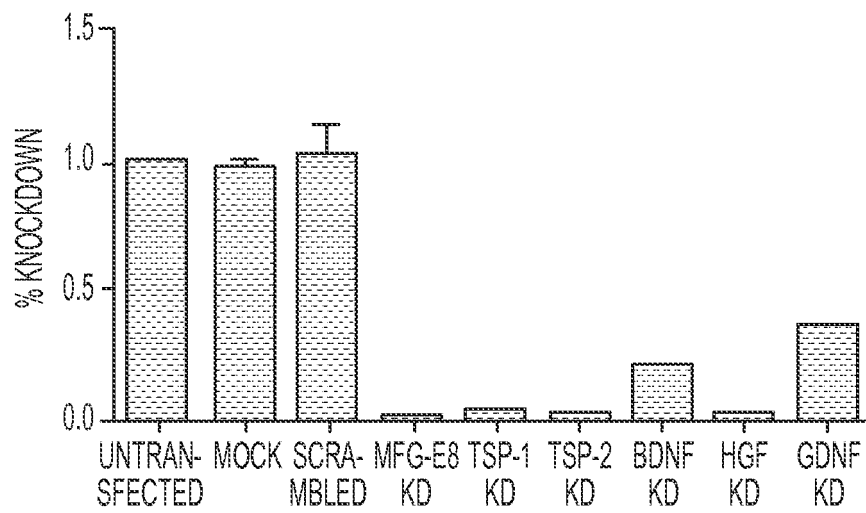


FIG. 15A

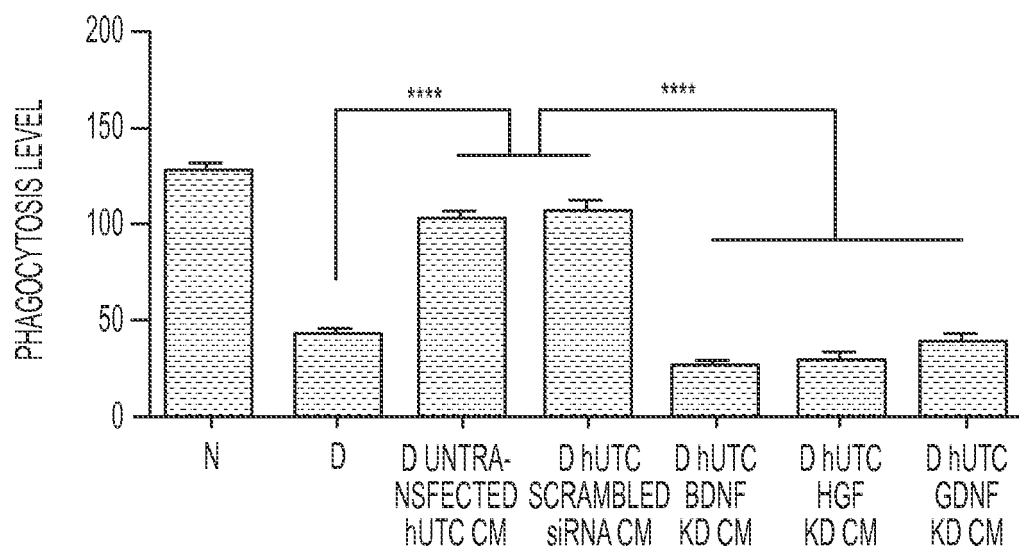


FIG. 15B

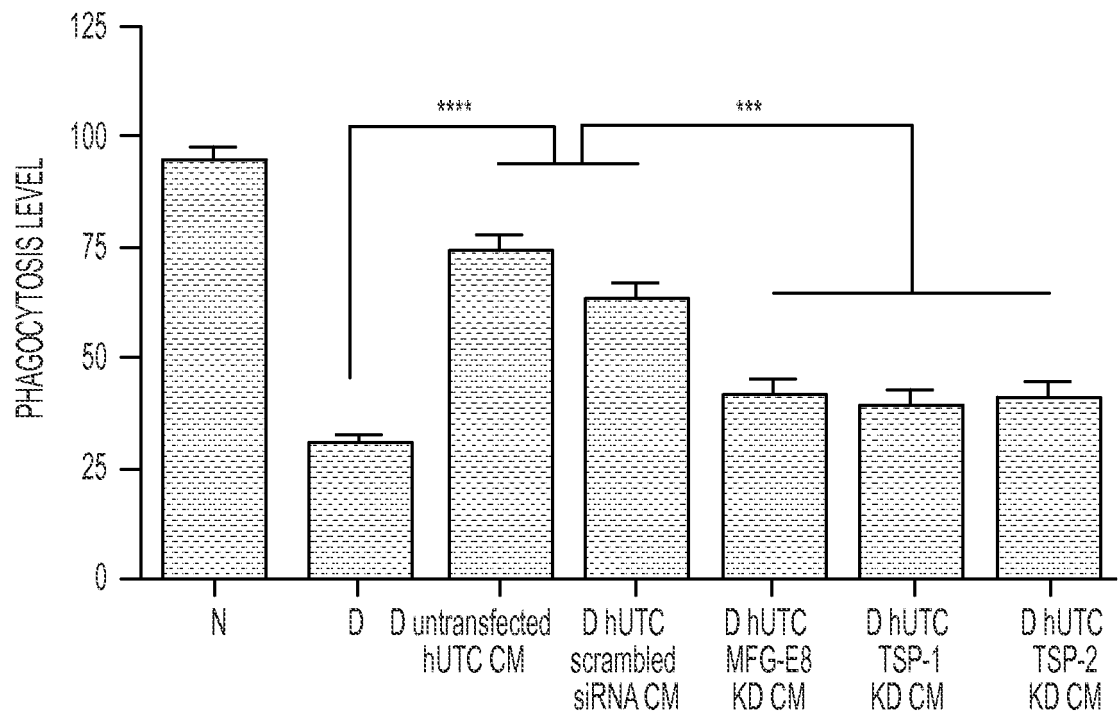


FIG. 15C

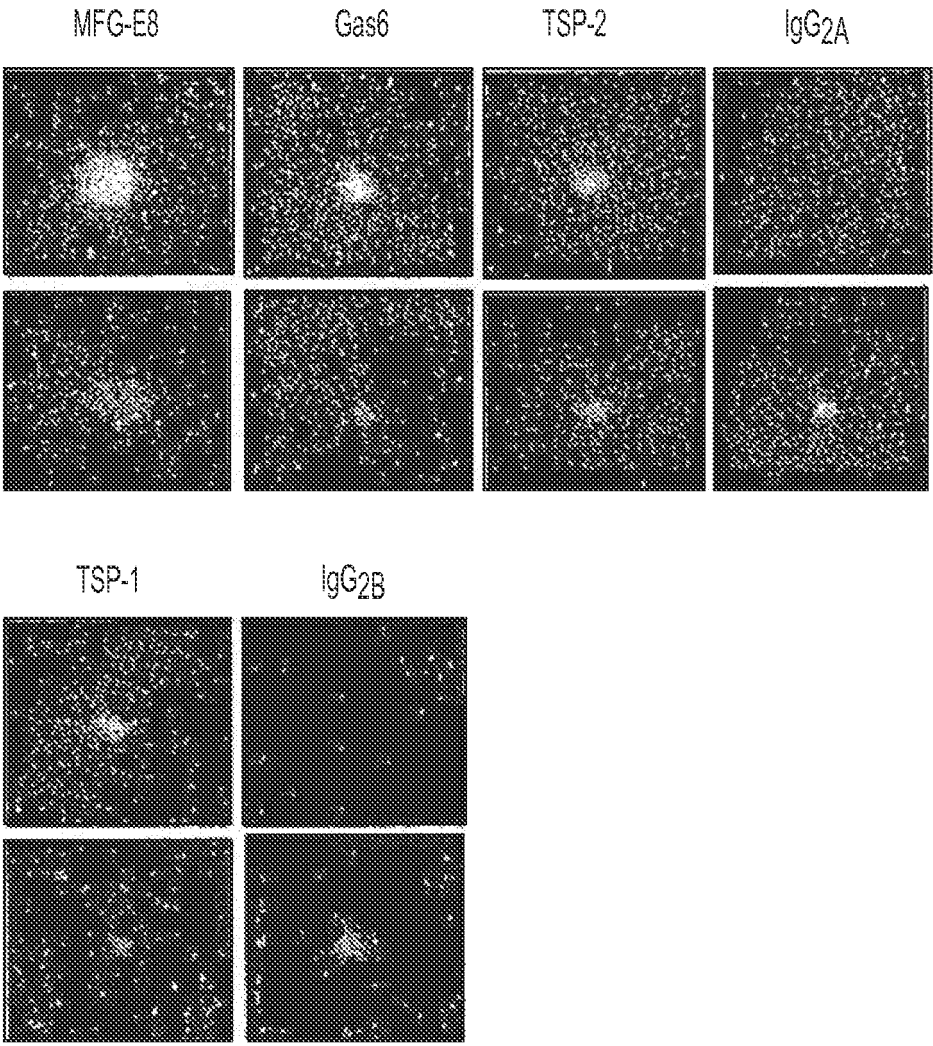


FIG. 16A

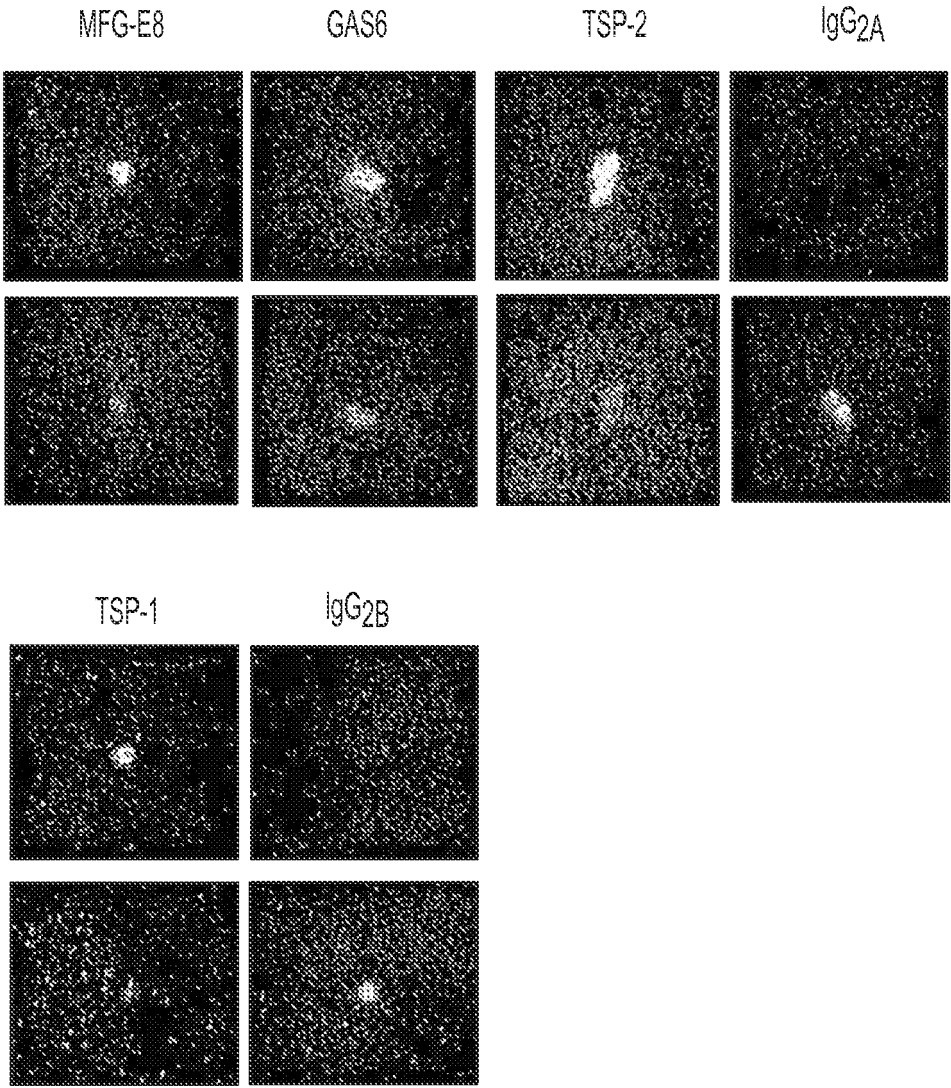


FIG. 16B

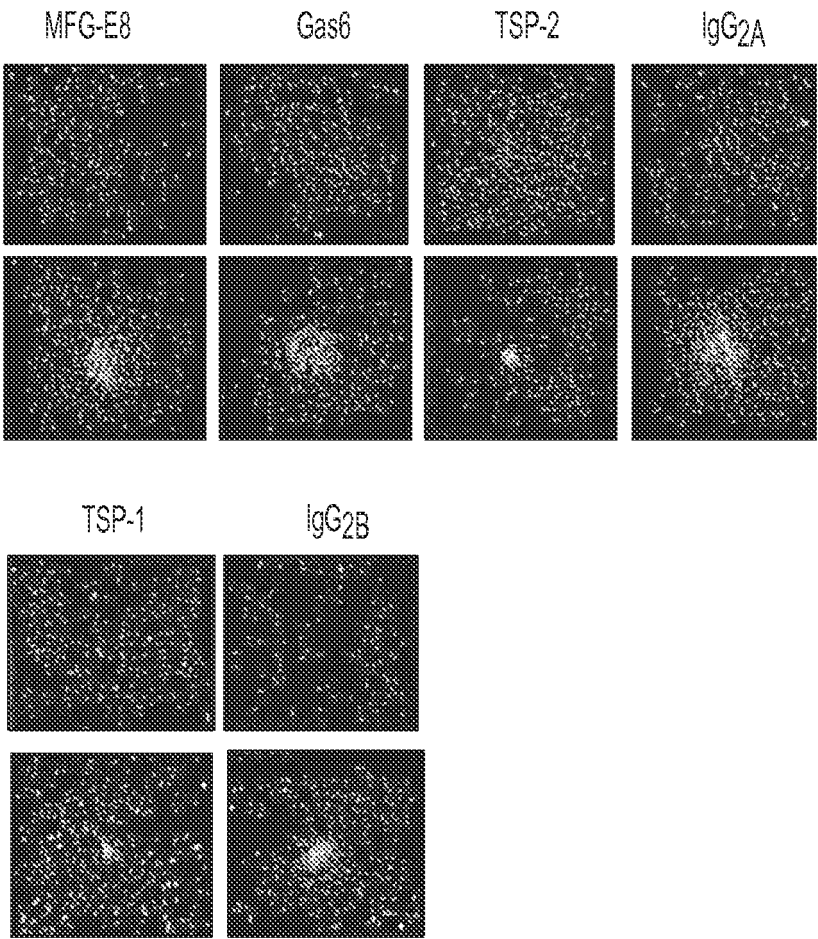


FIG. 16C

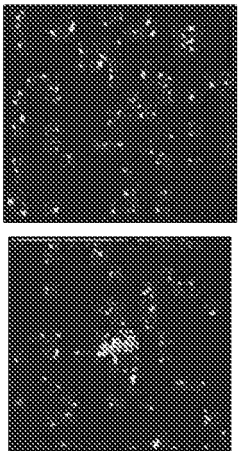


FIG. 16D

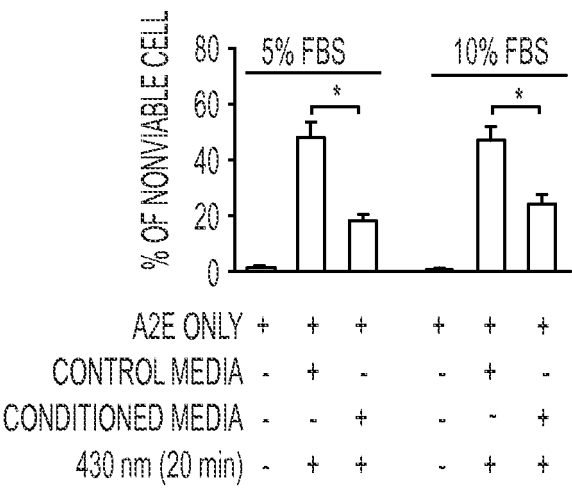


FIG. 17A

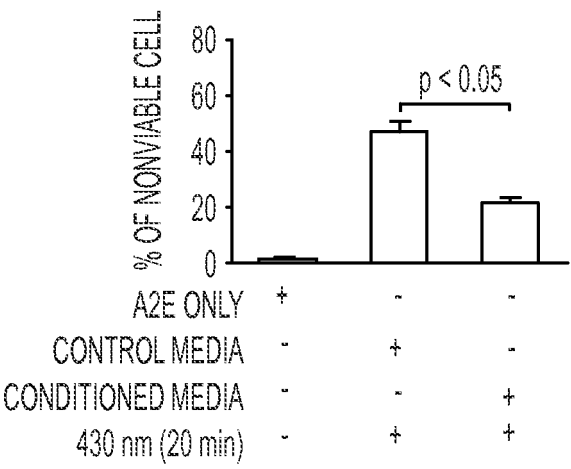


FIG. 17B

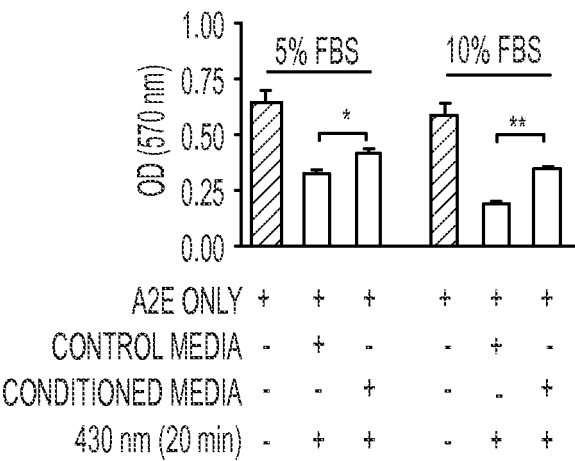


FIG. 17C

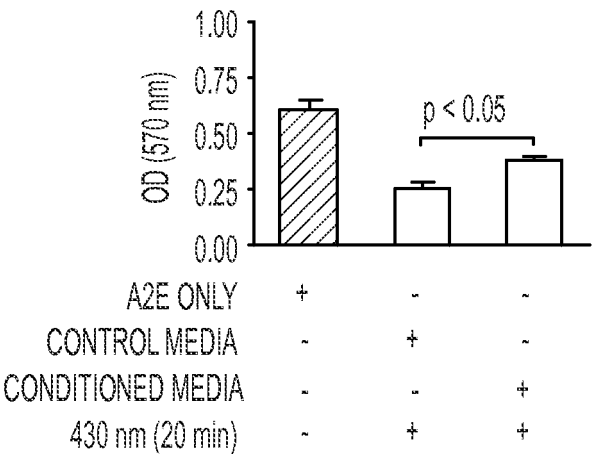


FIG. 17D

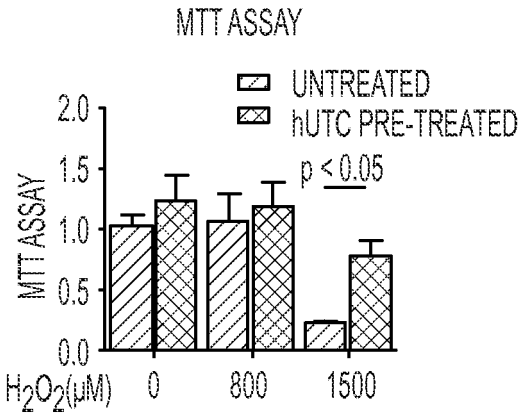


FIG. 17E

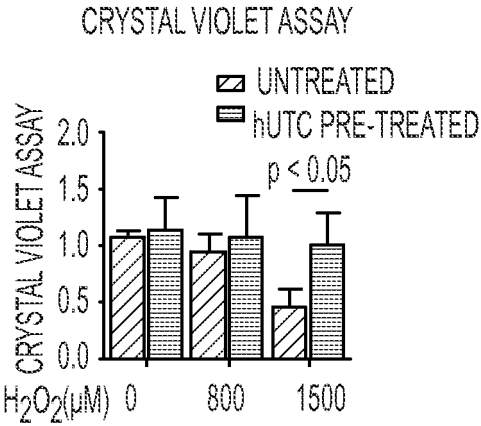


FIG. 17F