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(54) Title: HUMAN ANTIBODIES AGAINST ACTIVATED PROTEIN C AND USES THEREOF

FIG. 1

Antibody Name	amido-lytic activity @ 10 nM IgG / absorption 405nm raw data	amido-lytic activity @ 2 nM IgG / raw data slope AU 405nm / min	VH/VL Combination	normalized amido-lytic activity @ 10 nM IgG / AU/min [gc]	normalized amido-lytic activity @ 2 nM IgG / AU/min [gc]	binding to hPC (SPR) KD [nM]	Tagg UNCLE [°C]	UNCLE remark	μ-scale express. [μg/ml]	stdev
TPP-26870	0.00902	0.00746	AL14542VH-AL14715VL	0.455	1.582	no binding	68.2	OK	139	11
TPP-26926	0.00916	0.00822	AL14545VH-AL14651VL	0.469	1.962	no binding	71.7	OK	184	11
TPP-26862	0.00869	0.00704	AL14542VH-AL14667VL	0.422	1.372	no binding	66.9	OK	59	11
TPP-26894	0.00808	0.00571	AL14544VH-AL14723VL	0.360	0.707	no binding	67.6	OK	63	4
TPP-26863	0.00795	0.00684	AL14542VH-AL14675VL	0.348	1.272	no binding	65.7	OK	34	5
TPP-26864	0.00766	0.00641	AL14542VH-AL14707VL	0.238	1.058	no binding	68.3	OK	58	6
TPP-26869	0.00862	0.0086	AL14542VH-AL14713VL	0.414	2.153	no binding	68.4	OK	164	30
TPP-26918	0.00842	0.00749	AL14545VH-AL14635VL	0.395	1.598	no binding	71.7	OK	166	5
TPP-26925	0.00862	0.00789	AL14545VH-AL14659VL	0.414	1.797	no binding	72.9	OK	123	10
TPP-26882	0.00767	0.00628	AL14543VH-AL14713VL	0.319	0.993	no binding	74.5	OK	178	14
TPP-26873	0.00809	0.0069	AL14542VH-AL14659VL	0.362	1.302	no binding	68.6	OK	127	5
TPP-26872	0.00782	0.00685	AL14542VH-AL14657VL	0.335	1.278	no binding	69.1	OK	87	4
TPP-26874	0.00843	0.00805	AL14542VH-AL14651VL	0.355	1.878	no binding	68.0	OK	170	12
TPP-26871	0.00802	0.00776	AL14542VH-AL14649VL	0.355	1.733	no binding	69.8	OK	162	19
TPP-26935	0.00842	0.00778	AL14549VH-AL14715VL	0.394	1.742	no binding	65.5	OK	90	18
TPP-24727	0.0078	0.00618	AL5992VH-AL5991VL	0.333	0.942	no binding	67.4	OK	69	13
TPP-26934	0.0091	0.00785	AL14549VH-AL14713VL	0.462	1.777	no binding	65.1	OK	149	40
TPP-26924	0.0077	0.0066	AL14545VH-AL14657VL	0.323	1.153	no binding	72.6	OK	102	4
TPP-26920	0.00839	0.00723	AL14545VH-AL14723VL	0.391	1.468	no binding	70.7	OK	85	12
TPP-26921	0.00821	0.00774	AL14545VH-AL14713VL	0.373	1.723	no binding	70.2	OK	161	7

(57) Abstract: The present invention provides antibodies against activated protein C (APC). Certain disclosed antibodies inhibit the anticoagulant activity of APC while preserving its beneficial cytoprotective functions. The present invention also provides nucleic acids, vectors, and host cells for producing the antibodies disclosed herein, as well as methods of using the antibodies to treat medical conditions such as bleeding, sepsis, and inflammation.

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