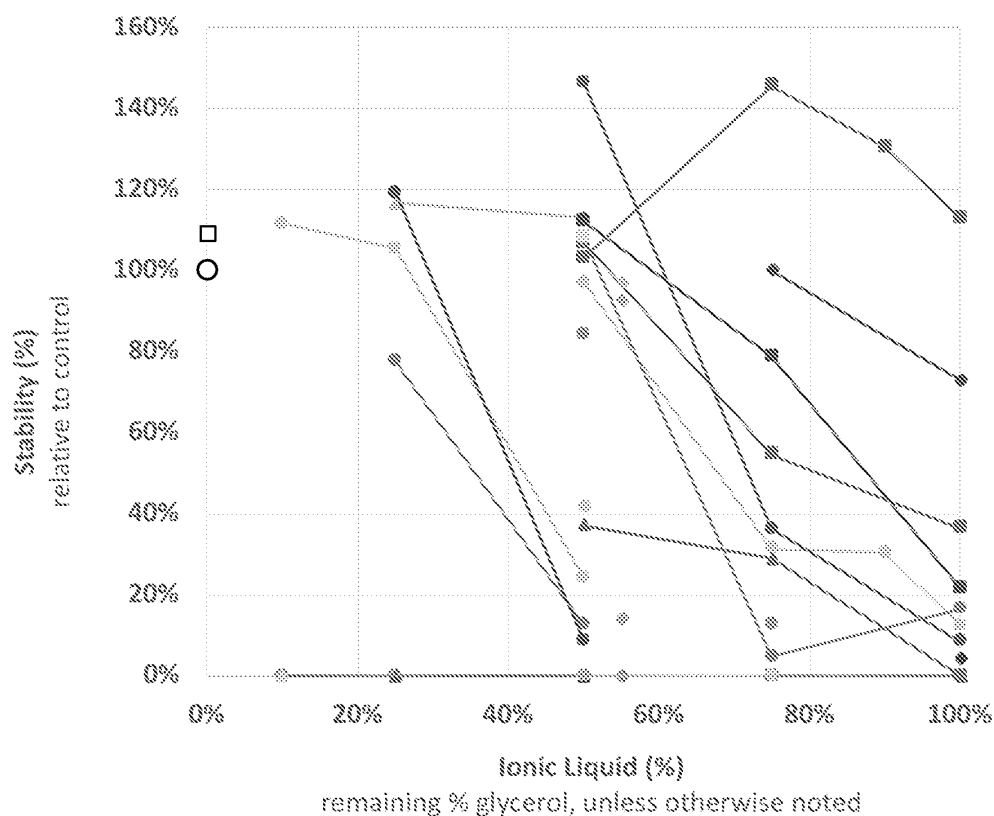




- 100% Buffer only (control)
- 100% Glycerol only (control)
- ◆ Choline-Malic acid 1:1
- ▲ Choline-3-Phenylpropanoic acid 1:2
- ◆ Choline-3-Phenylpropanoic acid 1:1
- ▲ Choline-Mandelic acid 1:2
- ▲ Choline-Mandelic acid 1:1
- ◆ Choline-DL-2-Phenylpropionic acid 1:1
- ◆ Choline-Glycolic acid 2:1
- ◆ Choline-Glycolic acid 1:1
- ◆ Choline-Glycolic acid 1:2
- ◆ Choline-Malic acid 2:1
- ◆ Choline-Malic acid 1:1
- ◆ Choline-Tartaric acid 2:1
- ◆ Choline-3-(4-Hydroxyphenyl)propionic Acid 1:2
- ◆ Choline-Decanoic acid 1:2
- ◆ Choline-Cinnamic acid 1:1
- ◆ Choline-Lactic acid 1:2
- ◆ Choline-Lactic acid 1:1
- ◆ Choline-Acetic acid 1:1
- ◆ Choline-Citric acid 3:1
- ◆ Choline-Phosphoric acid 2:1
- ◆ Choline-3-Phenylpropanoic acid 1:2 10%/Choline-Glycolic acid 1:1 45%
- ◆ Choline-3-Phenylpropanoic acid 1:2 10%/Choline-Glycolic acid 2:1 45%
- ◆ Choline-3-Phenylpropanoic acid 1:1 10%/Choline-Glycolic acid 2:1 45%
- ◆ Choline-3-Phenylpropanoic acid 1:1 25%/Choline-Tartaric acid 2:1 75%
- ◆ Choline-Decanoic acid 1:2 10%/Choline-Glycolic acid 2:1 45%
- ◆ Choline-2-Octenoic acid 1:1
- ◆ Choline-Citronellic acid 1:1
- ◆ Choline-Succinic acid 2:1
- ◆ Choline-Salicydic acid 1:1
- ◆ Choline-Benzoic acid 1:1

FIG. 1

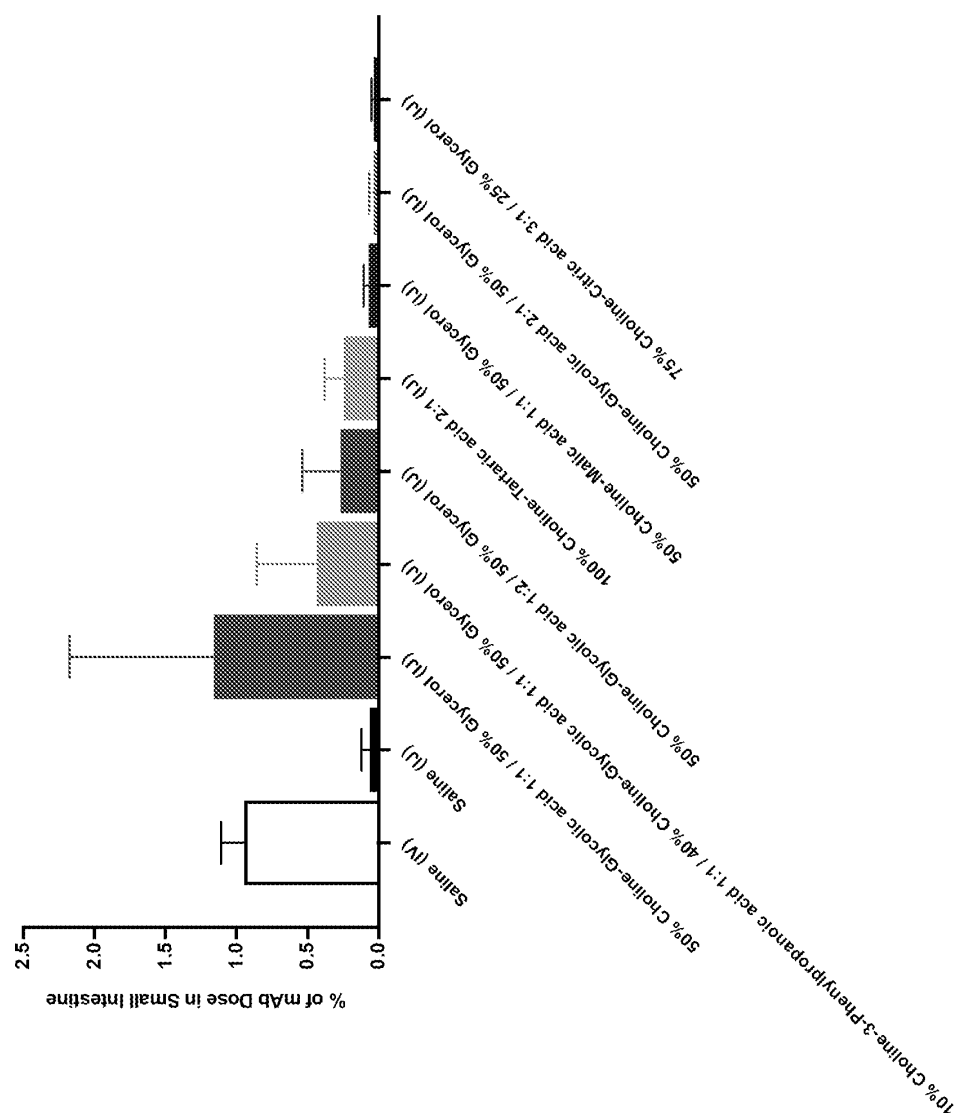


FIG. 2

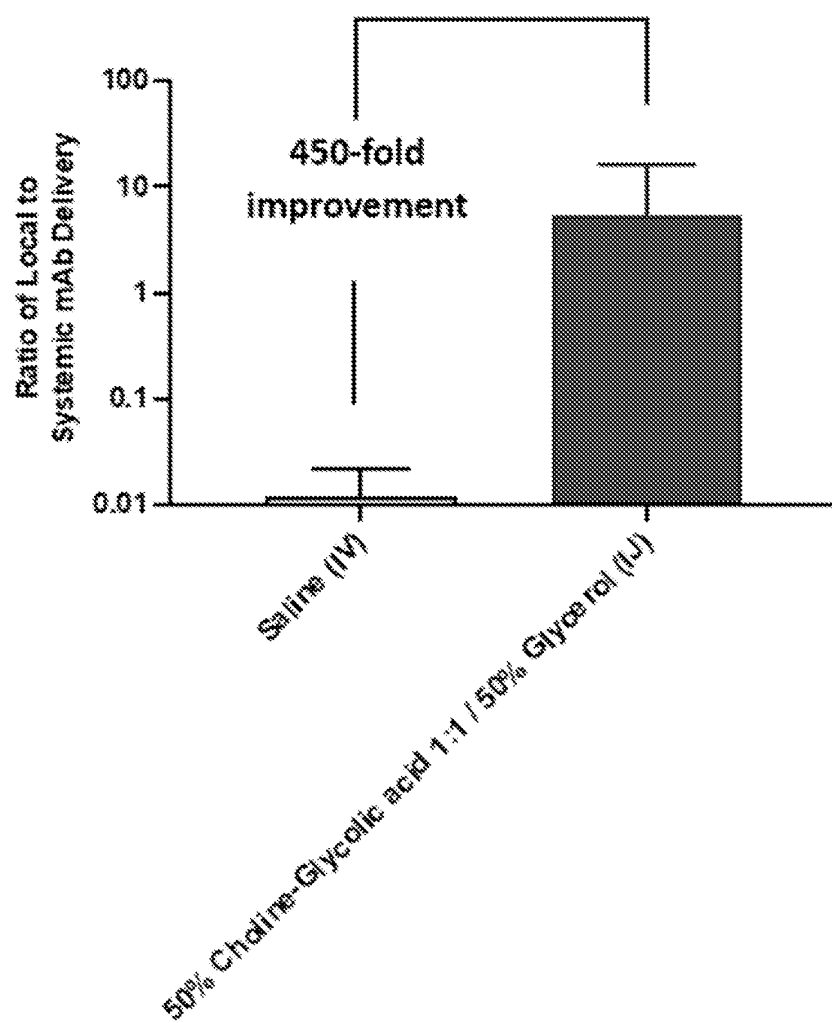


FIG. 3



FIG. 4A

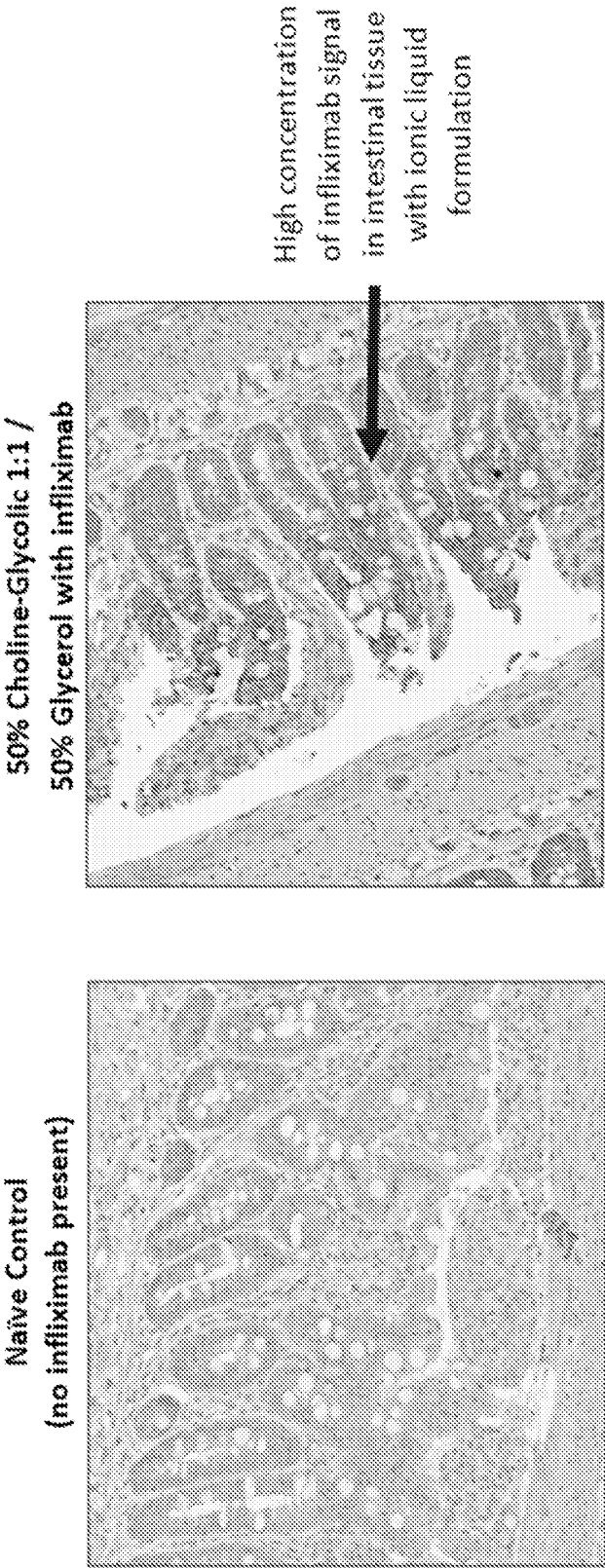


FIG. 4B

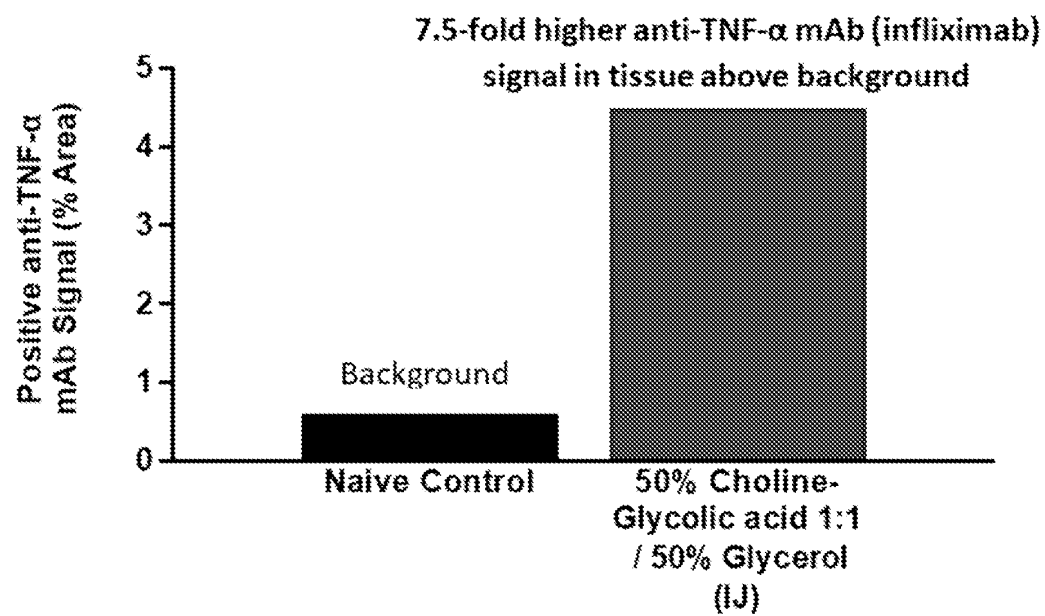


FIG. 4C

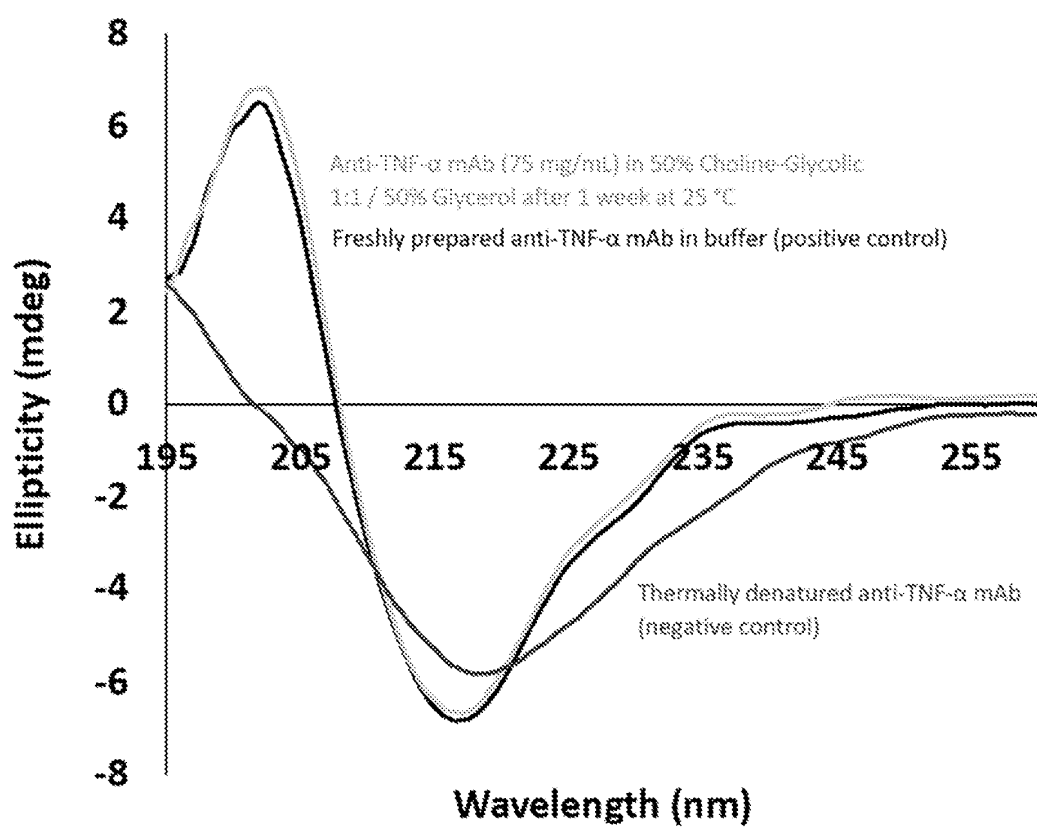
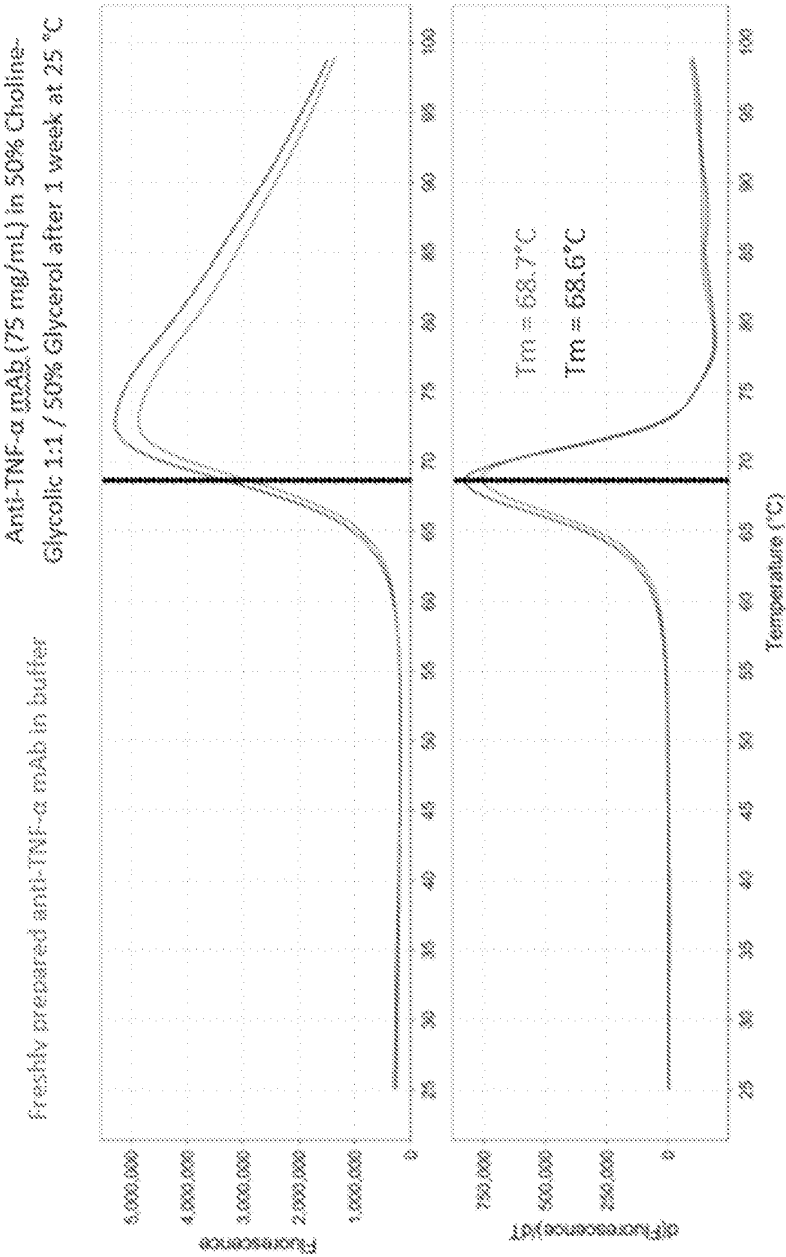


FIG. 5



Protein melting temperature (Tm) denoted by first-derivative of melt curve

FIG. 6