

Human MCSF Antibody Pair Set

Catalog No. E-KAB-0267

Applications

ELISA

Synonyms M-CSF, CSF1, CSF-1

Kit components & Storage

Title	Specifications	Storage
Human MCSF Capture Antibody	1 vial, 100 µg	Store at -20°C for one year. Avoid freeze / thaw cycles.
Human MCSF Detection Antibody (Biotin)	1 vial, 50 µL	Store at -20°C for one year. Avoid freeze / thaw cycles.

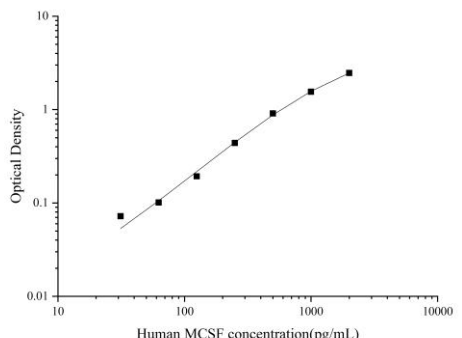
Note: Centrifuge before opening to ensure complete recovery of vial contents.

Product Information

Items		Characteristic (E-KAB-0267)	
		Human MCSF Capture Antibody	Human MCSF Detection Antibody (Biotin)
Immunogen Information	Immunogen	Recombinant Human MCSF protein	Recombinant Human MCSF protein
	Swissprot	P09603	
Product details	Reactivity	Human	Human
	Host	Rabbit	Rabbit
	Conjugation	Unconjugated	Biotin
	Concentration	0.5mg/mL	/
	Buffer	PBS with 0.04% Proclin 300, 50% glycerol, pH 7.4	PBS with 0.04% Proclin 300, 1% protective protein, 50% glycerol, pH 7.4
	Purify	Protein A	Protein A
	Specificity	Detects Human MCSF in ELISAs.	

Applications

Human MCSF Sandwich ELISA Assay:

	Recommended Concentration/Dilution	Reagent	Images														
ELISA Capture	0.5-4µg/mL	Human MCSF Capture Antibody	 <p>The graph is a log-log plot. The y-axis is labeled 'Optical Density' and ranges from 0.01 to 10. The x-axis is labeled 'Human MCSF concentration(pg/mL)' and ranges from 10 to 10000. There are six data points plotted as black squares, connected by a solid line. The points show a clear upward trend, indicating a positive correlation between concentration and optical density.</p> <table border="1"> <caption>Approximate data points from the standard curve</caption> <thead> <tr> <th>Human MCSF concentration (pg/mL)</th> <th>Optical Density</th> </tr> </thead> <tbody> <tr> <td>20</td> <td>0.05</td> </tr> <tr> <td>50</td> <td>0.1</td> </tr> <tr> <td>100</td> <td>0.2</td> </tr> <tr> <td>200</td> <td>0.4</td> </tr> <tr> <td>500</td> <td>1.0</td> </tr> <tr> <td>1000</td> <td>2.0</td> </tr> </tbody> </table>	Human MCSF concentration (pg/mL)	Optical Density	20	0.05	50	0.1	100	0.2	200	0.4	500	1.0	1000	2.0
Human MCSF concentration (pg/mL)	Optical Density																
20	0.05																
50	0.1																
100	0.2																
200	0.4																
500	1.0																
1000	2.0																
ELISA Detection	1:1000-1:10000	Human MCSF Detection Antibody (Biotin)															

Note: This standard curve is only for demonstration purposes. A standard curve should be generated for each assay!

Background

The protein encoded by this gene is a cytokine that controls the production, differentiation, and function of macrophages. The active form of the protein is found extracellularly as a disulfide-linked homodimer, and is thought to be produced by proteolytic cleavage of membrane-bound precursors. The encoded protein may be involved in development of the placenta. Alternate splicing results in multiple transcript variants.