

Product datasheet for **BM108S**

Semaphorin 7a (SEMA7A) Mouse Monoclonal Antibody [Clone ID: MEM-150]

Product data:

Product Type:	Primary Antibodies
Clone Name:	MEM-150
Applications:	FC, IP, WB
Recommended Dilution:	Flow Cytometry: 4 µg/ml. Immunoprecipitation. Western Blot under non reducing conditions.
Reactivity:	Human
Host:	Mouse
Isotype:	IgM
Clonality:	Monoclonal
Immunogen:	HPB-ALL human T cell line
Specificity:	The antibody reacts with CD108 (JMH blood group antigen), a 80 kDa GPI-anchored glycoprotein expressed on various cell types including erythrocytes, lymphoblasts; at low levels it is present on circulating lymphocytes.
Formulation:	Phosphate buffered saline (PBS) with 15 mM sodium azide, approx. pH 7.4 State: Purified State: Liquid Ig fraction
Concentration:	lot specific
Purification:	Ion exchange chromatography; purity: > 95% (by SDS-PAGE)
Conjugation:	Unconjugated
Storage:	Store the antibody at 2 - 8 °C up to one month or (in aliquots) at -20 °C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	semaphorin 7A (John Milton Hagen blood group)
Database Link:	Entrez Gene 8482 Human O75326



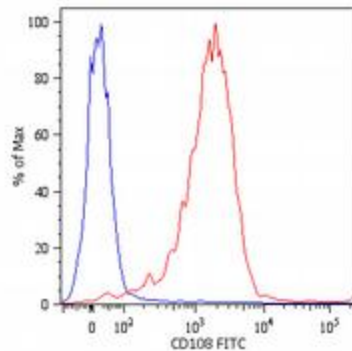
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Background:

CD108 (Sema7A) is a GPI-anchored semaphorin family member, which enhances central and peripheral axonal growth and is required for proper axon track formation during embryogenesis. CD108 also regulates osteoclast differentiation and pre-osteoblastic cell migration, and in immune system affects cell proliferation, chemotaxis and cytokine release. On erythrocytes CD108 defines the JMH (John-Milton-Hagen) human blood group. CD108 signalizes through its receptors plexin C1 and b1 integrins.

Synonyms:

Semaphorin-7A, SEMAL, Semaphorin-L, Semaphorin-K1

Product images:

Surface staining of HPB-ALL human peripheral blood T cell leukemia cell line with anti-human CD108 (MEM-150) FITC. Total viable cells were used for analysis.