

Mouse anti-Human CD108 Antibody | anti-CD108 antibody

Anti-Hu CD108 FITC

CATALOG # AAA128746	HOST Mouse	REACTIVITY Human	APPLICATIONS Flow Cytometry, Functional Assay
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PRODUCT SYNONYMS

CD108; Anti-Hu CD108 FITC; semaphorin 7A (John Milton Hagen blood group); Semaphorin 7a; JMH blood group antigen; SEMAL; SEMAK1; anti-CD108 antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human
Isotype	IgM
Clone Number	MEM-150
Specificity	The antibody MEM-150 reacts with CD108 (JMH blood group antigen), a 80 kDa GPI-anchored extracellular glycoprotein expressed on various cell types including erythrocytes, lymphoblasts; at low levels it is present on circulating lymphocytes.
Purity/Purification	Purified antibody is conjugated with fluorescein isothiocyanate (FITC) under optimum conditions and unconjugated antibody and free fluorochrome are removed by size-exclusion chromatography.
Form/Format	Stabilizing Tris buffered saline (TBS), pH 8.0, 15 mM sodium azide
Sequence Length	652
Applicable Applications for anti-CD108 antibody	FCM/FACS (Flow Cytometry)
Immunogen	HPB-ALL human T cell line
Antigen	CD108
Excitation laser	Blue (488 nm)
Conjugation	FITC
Preparation and Storage	Store in the dark at 2-8 degree C. Do not freeze. Avoid prolonged exposure to light.

ADDITIONAL INFORMATION

Related Product Information for anti-CD108 antibody	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 signals through its receptors - plexin C1 and beta1 integrins.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	225637520
NCBI GeneID	8482
NCBI Accession #	NP_001139501.1

NCBI GenBank Nucleotide #	NP_001139501.1
UniProt Accession #	O75326
NCBI Official Full Name	semaphorin-7A isoform 2
NCBI Official Synonym Full Names	semaphorin 7A (John Milton Hagen blood group)
NCBI Official Symbol	SEMA7A
NCBI Official Synonym Symbols	JMH; CD108; SEMAL; CDw108; SEMAK1; H-Sema-L; H-SEMA-K1
NCBI Protein Information	semaphorin-7A
UniProt Protein Name	Semaphorin-7A
UniProt Gene Name	SEMA7A
UniProt Synonym Gene Names	CD108; SEMAL; Sema K1; Sema L
UniProt Entry Name	SEM7A_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://www.aaabiotech.com/mouse-human-antibody/cd108/128746>