

anti-human CD108

The antibody MEM-150 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.

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 β 1 integrins.

Clone:	MEM-150
Isotype:	Mouse IgM
Physical state:	Purified from ascites by DEAE-chromatography and precipitation methods
Purity:	> 95% (by SDS-PAGE)
Buffer:	PBS with 15 mM sodium azide (pH 7.4)
Storage Instruction:	Store at 4 °C. For long-term storage aliquot and store at -20°C. Avoid freeze/thaw cycles.
Application:	Flow Cytometry, Immunoprecipitation, Western Blotting (non reducing conditions)
Reference:	Pasterkamp RJ and others: Nature. 2003 Jul 24;424(6947):398-405. Delorme G and others: Biol Cell. 2005 Jul;97(7):589-97. Pasterkamp RJ and others: BMC Dev Biol. 2007 Aug 29;7:98
Quantity:	0.1 mg
Order N°:	H12216

Warning: Sodium azide is harmful if swallowed (R22). Keep out of reach of children (S2). Keep away from food, drink and animal feeding stuff (S13). Wear suitable protective clothing (S36). If swallowed, seek medical advice immediately and show this container or label (S46). Contact with acids liberates very toxic gas (R32).

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