

## anti-human CD108 FITC-conjugated

FITC - conjugated monoclonal antibody MEM-226 to human CD108

Cat-No: **21271083**

500 µl

**Clone:** MEM-150

**Specificity:** 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.

**HLDA V; WS Code AS S017**

**HLDA V; WS Code BP BP347**

**HLDA VI; WS Code BP 401**

**HLDA VI; WS Code BP 475**

**HLDA VI; WS Code NL N-L156**

**HLDA VI; WS Code P PR-65**

**Isotype subclass:** Mouse IgM

**Form:** The purified antibody is conjugated with Fluorescein isothiocyanate (FITC) under optimum conditions. The reagent is adjusted for direct use. No reconstitution is necessary.

**Physical state:** Liquid

**Buffer/Additives/Preservative:** PBS containing 1 % BSA and 0.09% sodium azide (pH 7.2)

**Expiration date:** The reagent is stable until the expiry date stated on the vial label

**Storage conditions:** Store at 4 °C. Avoid prolonged exposure to light.

**Application:** The reagent is designed for Flow Cytometry analysis

### References:

- \*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.
- \*Suzuki K and others: Nature. 2007 Apr 5;446(7136):680-4.

**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 signals through its receptors – plexin C1 and  $\beta 1$  integrins.

**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). Azide compounds should be flushed with large volumes of water during disposal to avoid deposits in lead or copper plumbing where explosive conditions can develop.

This material is offered for **research use only**. Not for use in human. For in vitro use only. ImmunoTools will not be held responsible for patent infringement or other violations that may occur with the use of our products.

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