

DESCRIPTION

Species Reactivity	Mouse
Specificity	Detects mouse CD133 in direct ELISAs.
Source	Monoclonal Rat IgG _{2B} Clone # 217106
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	Chinese hamster ovary cell line CHO-derived recombinant mouse CD133 Accession # O54990
Conjugate	Alexa Fluor 700 Excitation Wavelength: 675-700 nm Emission Wavelength: 723 nm
Formulation	Supplied 0.2 mg/mL in a saline solution containing BSA and Sodium Azide. See Certificate of Analysis for details. *Contains <0.1% Sodium Azide, which is not hazardous at this concentration according to GHS classifications. Refer to the Safety Data Sheet (SDS) for additional information and handling instructions.

APPLICATIONS

Please Note: Optimal dilutions should be determined by each laboratory for each application. *General Protocols* are available in the *Technical Information* section on our website.

	Recommended Concentration	Sample
Flow Cytometry	0.25-1 µg/10 ⁶ cells	D3 Mouse Cell Line

PREPARATION AND STORAGE

Shipping	The product is shipped with polar packs. Upon receipt, store it immediately at the temperature recommended below.
Stability & Storage	Protect from light. Do not freeze. <ul style="list-style-type: none"> 12 months from date of receipt, 2 to 8 °C as supplied.

BACKGROUND

Mouse Prominin-1 (also known as CD133) is a 867 aminoacids glycoprotein encoded by the PROM1 gene. Prominin-1 is a member of pentaspan transmembrane glycoproteins (5-transmembrane, 5-TM). In human, Prom-1 is expressed on primitive hematopoietic stem and progenitor cells, retinoblastoma, hemangioblasts, and neural stem cells as well as on developing epithelium. In Mouse, at least 7 different isoforms have been proposed. Human and mouse PROM-1 share only 61% aminoacid sequence identity.

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