

Product datasheet for **TA347033M**

CD133 (PROM1) Mouse Monoclonal Antibody [Clone ID: 8F2-H6-D6]

Product data:

Product Type:	Primary Antibodies
Clone Name:	8F2-H6-D6
Applications:	WB
Recommended Dilution:	WB: 1:3000
Reactivity:	Human
Host:	Mouse
Isotype:	IgG2b
Clonality:	Monoclonal
Immunogen:	The immunogen for PROM1 antibody: purified recombinant human Prominin-1 protein fragments expressed in E.coli.
Formulation:	Purified mouse monoclonal antibody in PBS(Ph 7.4) containing with 0.02% sodium azide, 0.1mg/ml BSA and 50% glycerol.
Purification:	Affinity purified
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	133 kDa
Gene Name:	prominin 1
Database Link:	NP_006008 Entrez Gene 8842 Human O43490



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Background:	This gene encodes a pentaspan transmembrane glycoprotein. The protein localizes to membrane protrusions and is often expressed on adult stem cells, where it is thought to function in maintaining stem cell properties by suppressing differentiation. Mutations in this gene have been shown to result in retinitis pigmentosa and Stargardt disease. Expression of this gene is also associated with several types of cancer. This gene is expressed from at least five alternative promoters that are expressed in a tissue-dependent manner. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Mar 2009]
Synonyms:	AC133; CD133; CORD12; MCDR2; MSTP061; PROML1; RP41; STGD4
Protein Families:	Druggable Genome, ES Cell Differentiation/IPS, Transmembrane