

## Mouse Monoclonal Antibody to CD133

Catalogue Number	sAP-0590
Target Molecule	<b>Name:</b> CD133 <b>Aliases:</b> RP41; AC133; CD133; MCDR2; STGD4; CORD12; PROML1; MSTP061 <b>MW:</b> 133kDa <b>Entrez Gene ID:</b> 8842
Description	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.
Immunogen	Synthesized peptide of human CD133. ;
Recitative Species	Human
Clone	MM3F10;
Size and Concentration	100µg/1mg/ml
Supplied as	Lyophilized Powder from 100µl of Ascitic fluid containing 0.03% sodium azide.
Reconstitution/Storages	Reconstituted with 100µl sterile DI H <sub>2</sub> O, at stored at 4°C or -20°C for short or long term storage
Applications	ELISA: 1 to 10000; IHC: 1 to 200 - 1 to 1000; FCM: 1 to 200 - 1 to 400
Shipping	Regular FEDEX overnight shipment (ambient temperature)
Reference	1. Stem Cells. 2009 Dec;27(12):2875-83. ; 2. Pancreas. 2009 Nov;38(8):e207-14.

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for **Research Use Only**