

## CD133 Ab

[References\(3\)](#)

Cat.#: BF0403	Concn.: ~1mg/ml	Mol.Wt.: 133kDa
Size:	Source: Mouse	Clonality: Monoclonal
Application:	ELISA 1:10000, IHC 1:200-1:1000, IF/ICC 1:200, FCM 1:200-1:400 *The optimal dilutions should be determined by the end user.	
Reactivity:	Human	
Storage:	Mouse IgG1 in phosphate buffered saline (without Mg <sup>2+</sup> and Ca <sup>2+</sup> ), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. Store at -20 °C. Stable for 12 months from date of receipt.	
Purification:	Affinity-chromatography.	
Immunogen:	Purified recombinant fragment of human CD133 expressed in E. Coli.	
Uniprot:	O43490	
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.	

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