

Mouse anti-Human CD133 Monoclonal Antibody | anti-CD133 antibody

CD133 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA17955	Mouse	Human	Immunohistochemistry, Flow Cytometry, Functional Assay, ELISA

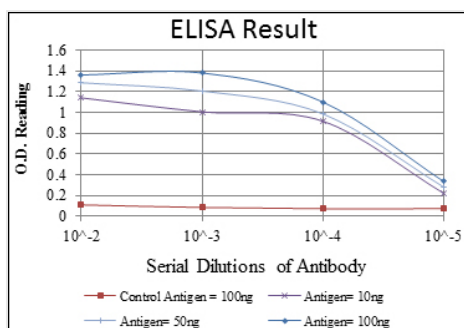
PRODUCT SYNONYMS

CD133; Monoclonal Antibody; CD133 Antibody; RP41; AC133; MCDR2; STGD4; CORD12; anti-CD133 antibody

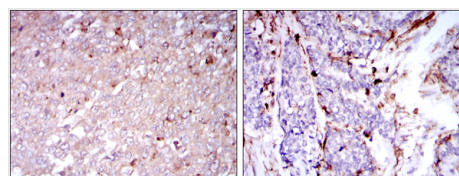
PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG1
Clone Number	3F10
Specificity	Recognizes endogenous levels of TAU (pS579) protein.
Form/Format	Ascitic fluid containing 0.03% sodium azide.
Sequence Length	856
Applicable Applications for anti-CD133 antibody	IHC (Immunohistochemistry), FCM/FACS (Flow Cytometry), ELISA
Application Notes	IHC: 1:200-1:1000 FC: 1:200-1:400 ELISA: 1:10000
Immunogen	Synthesized peptide of human CD133 (AA: 20-36, GGQPSSTDAPKAWNYELc)
Preparation and Storage	Store at 4°C, for long term storage, store at -20°C.

IMAGES

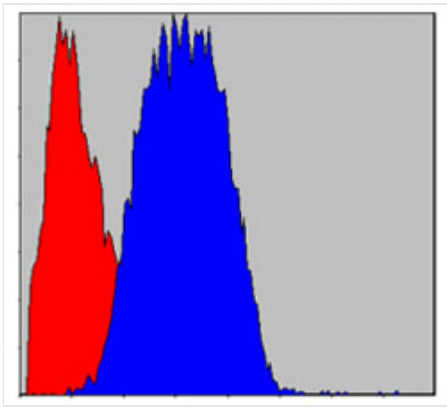


Application Data



IHC (Immunohistochemistry)

Figure 1: Immunohistochemical analysis of paraffin-embedded human breast cancer tissues (left) and human esophageal cancer tissues (right) using CD133 mouse mAb with DAB staining.



FCM (Flow Cytometry)

Figure 2: Flow cytometric analysis of Hela cells using CD133 mouse mAb (blue) and negative control (red).

ADDITIONAL INFORMATION

Related Product Information for anti-CD133 antibody	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.
Product Categories/Family for anti-CD133 antibody	Autophagy antibody ; Cancer ; Cardiovascular ; Cell Biology ; Epigenetics & Nuclear Signaling ; Developmental Biologys ; Immunology ; Drug Discovery Products ; Metabolism ; Neuroscience ; Signal Transduction ; Stem Cells
References	EFFECT OF HELICOBACTER PYLORI INFECTION ON CANCER STEM CELL MARKER (CD133) IN COLORECTAL CANCER . Mayadah Mohammed Ridha Abdul-Razzaq, Zainab Fadhel Ashoor, Wasan Abdul-ilah Bakir (2017)

NCBI AND UNIPROT INFORMATION

NCBI GI #	224994189
NCBI GeneID	8842
NCBI Accession #	NP_001139319.1
NCBI GenBank Nucleotide #	NM_001145847.1
UniProt Accession #	P10636 ; Q6SV49 ; Q6SV50 ; Q6SV51 ; Q6SV52 ; Q6SV53 ; Q96EN6 ; O43490
Molecular Weight	133kDa
NCBI Official Full Name	prominin-1 isoform 2
NCBI Official Synonym Full Names	prominin 1
NCBI Official Symbol	PROM1
NCBI Official Synonym Symbols	RP41; AC133; CD133; MCDR2; STGD4; CORD12; PROML1; MSTP061
NCBI Protein Information	prominin-1
UniProt Protein Name	Prominin-1
UniProt Gene Name	PROM1
UniProt Synonym Gene Names	PROML1

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com

Online datasheet: <https://www.aaabiotech.com/monoclonal/cd133-antibody-clone-3f10-immunohistochemistry-flow-cytometry-elisa/17955>