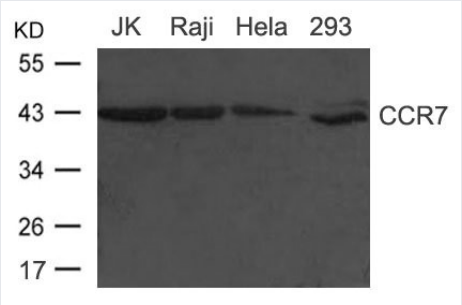
CD34 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	CD34, Polyclonal Antibody
Full Product Name	CD34 Antibody
Product Gene Name	anti-CD34 antibody
Product Synonym Names	CD34
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human, Mouse, Rat
Form/Format	Liquid; Supplied at 1.0mg/mL In Phosphate Buffered Saline (without Mg2+ and Ca2+), pH 7.4, 150mM NaCl, 0.02% Sodium Azide and 50% Glycerol.
Purity/Purification	Antibodies were produced by immunizing rabbits with synthetic peptide and KLH conjugates. Antibodies were Purified by affinity-chromatography using epitope-specific peptide.
Preparation and Storage	Upon receipt, store at -20 degree C or -80 degree C. Avoid repeated freeze.
Molecular Weight	40,716 Da
Chromosome Location	Chromosome: 1; NC_000001.10 (208059883..208084683, complement). Location: 1q32
OMIM	142230
3D Structure	ModBase 3D Structure for P28906
Immunogen	Peptide sequence around aa.377~381(Q-H-V-V-A) derived from Human CD34.
Immunogen Species	Human
Conjugate	Non-conjugated
Product Categories/Family for anti-CD34 antibody	Neuroscience
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Applications Tested/Suitable for anti-CD34 antibody	ELISA (EIA), Western Blot (WB)
Application Notes for anti-CD34 antibody	WB: 1:500-1:1000
Related Product Information for anti-CD34 antibody	MBS7130482 is an antibody targeting CD34. Also known as CD34 Antibody. Reactive in Human, Mouse, Rat. Host: Rabbit.
Other Notes	Small volumes of anti-CD34 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.



Western Blot (WB) of anti-CD34 antibody
Western blot analysis of extract from HUVEC cells and Hematopoietic Stem Cells from Umbilical Cord Blood using CD34 Antibody

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for CD34. It may not necessarily be applicable to this product.

NCBI GI #	264769
NCBI GeneID	947
NCBI Accession #	AAB25223.1
UniProt Primary Accession #	P28906
UniProt Secondary Accession #	Q15970; Q15971; Q5JTA3; Q5JTA4; Q9UJB1; A8K664
UniProt Related Accession #	P28906
NCBI Official Full Name	CD34
NCBI Official Synonym Full Names	CD34 molecule
NCBI Official Symbol	CD34
UniProt Protein Name	Hematopoietic progenitor cell antigen CD34
Protein Family	Hematopoietic progenitor cell antigen
UniProt Gene Name	CD34
UniProt Entry Name	CD34_HUMAN
NCBI Protein Information	hematopoietic progenitor cell antigen CD34; CD34 antigen
NCBI Summary for CD34	The protein encoded by this gene may play a role in the attachment of stem cells to the bone marrow extracellular matrix or to stromal cells. This single-pass membrane protein is highly glycosylated and phosphorylated by protein kinase C. Two transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Aug 2011]

UniProt Comments for CD34	CD34: Possible adhesion molecule with a role in early hematopoiesis by mediating the attachment of stem cells to the bone marrow extracellular matrix or directly to stromal cells. Could act as a scaffold for the attachment of lineage specific glycans, allowing stem cells to bind to lectins expressed by stromal cells or other marrow components. Presents carbohydrate ligands to selectins. Selectively expressed on hematopoietic progenitor cells and the small vessel endothelium of a variety of tissues. Belongs to the CD34 family. 2 isoforms of the human protein are produced by alternative splicing. Protein type: Membrane protein, integral; Cell surface Chromosomal Location of Human Ortholog: 1q32 Cellular Component: intercellular bridge; lysosome; integral to plasma membrane; perinuclear region of cytoplasm; cytoplasm; apical plasma membrane; basal plasma membrane; plasma membrane; external side of plasma membrane Molecular Function: sulfate binding; carbohydrate binding; transcription factor binding Biological Process: positive regulation of odontogenesis; regulation of immune response; negative regulation of nitric oxide biosynthetic process; glomerular filtration; cell motility involved in cell locomotion; negative regulation of blood coagulation; negative regulation of tumor necrosis factor production; signal transduction; positive regulation of interleukin-10 production; cell proliferation; cell-cell adhesion; positive regulation of angiogenesis; endothelial cell proliferation; regulation of blood pressure; tissue homeostasis; hemopoiesis; leukocyte migration
Research Articles on CD34	**1.** CD34 expression on blasts is a novel, poor predictor independent of FlT3-ITD in NPM1-mutated acute myeloid leukemia patients.
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