

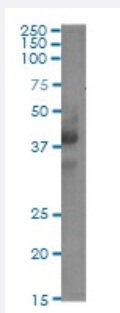
RecomAb™

CD34 monoclonal antibody, clone My10

Catalog # RAB01075 Size 200 ug

Applications

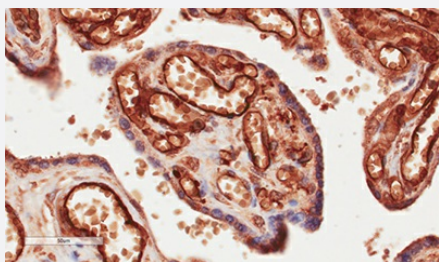
Western Blot (Cell lysate)



Western blot analysis of CD34 monoclonal antibody, clone My10 (Cat # RAB01075).

Jurkat cell extract (35 ug protein in RIPA buffer) was resolved on a 10% SDS PAGE gel and blots probed with the chimeric rabbit antibody (Cat # RAB01075) at 0.1 ug/mL before detection using an anti-rabbit secondary antibody. A primary incubation of 1h was used and protein was detected by chemiluminescence. The expected band size for the canonical isoform of CD34 is 40.9kDa, though a second isoform at 35.2kDa is also present, with a 56 amino acid truncation at the C-terminus of the protein (Uniprot ID: Q64314). CD34 is also glycosylated at several positions. Cat # RAB01075 successfully detected both isoforms of human CD34.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)



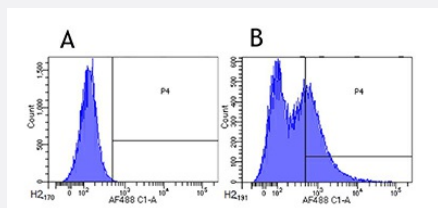
Immunohistochemical staining of human placenta tissue using CD34 monoclonal antibody, clone My10 (Cat # RAB01075).

Immunohistochemical staining of paraffin embedded human placenta tissue using the rabbit-chimeric antibody (Cat # RAB01075). Antigen retrieval was achieved by microwaving in citrate buffer (pH 6), followed by blocking with protein block serum-free buffer. Primary antibody incubation with Cat # RAB01075 was carried out at 4 ug/mL for 30 minutes. Samples were then incubated with an anti-rabbit IgG HRP secondary antibody for 20 mins followed by DAB, and counter-staining with haematoxylin. Strong endothelial staining of within villi may be observed. Recommended concentration, 2-4 ug/mL.

Flow Cytometry

Flow-cytometry using CD34 monoclonal antibody, clone My10 (Cat # RAB01075).

Human leukocytes were stained with an isotype control (panel A) or the rabbit-chimeric antibody (Cat # RAB01075, panel B) at a concentration of 1 ug/mL for 30 mins at RT. After washing, bound antibody was detected using a AF488 conjugated donkey anti-rabbit antibody and cells analysed on a FACSCanto flow-cytometer.



Specification

Product Description	Rabbit recombinant monoclonal antibody raised against human CD34.
Antibody Species	Rabbit
Reactivity	Human
Specificity	This antibody reacts to CD34.
Form	Liquid
Purification	Protein A affinity purified
Isotype	Rabbit IgG, kappa
Recommend Usage	Flow Cytometry Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) Western Blot The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS (0.02% Proclin 300)
Storage Instruction	Store at 4°C. For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.

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Gene Info — CD34

Entrez GeneID	947
Protein Accession#	P28906
Gene Name	CD34
Gene Alias	-
Gene Description	CD34 molecule
Omim ID	142230
Gene Ontology	Hyperlink
Gene Summary	CD34 is a monomeric cell surface antigen with a molecular mass of approximately 110 kD that is selectively expressed on human hematopoietic progenitor cells.[supplied by OMIM]
Other Designations	CD34 antigen OTTHUMP00000034733 OTTHUMP00000034734 hematopoietic progenitor cell antigen CD34

Pathway

- [Cell adhesion molecules \(CAMs\)](#)
- [Hematopoietic cell lineage](#)

Disease

- [Carcinoma](#)
- [Disease Progression](#)
- [Genetic Predisposition to Disease](#)
- [Head and Neck Neoplasms](#)
- [Hepatitis C](#)
- [Liver Neoplasms](#)
- [Neoplasm Recurrence](#)
- [Neoplasms](#)
- [Tobacco Use Disorder](#)
- [Viremia](#)