



Catalog: OM626530

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CD34

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☐ 100 µl

Product profile

Product name	CD34
Antibody Type	Primary Antibodies
Product description	CD34 is a heavily glycosylated type I transmembrane molecule, that can be phosphorylated by a variety of kinases including Protein kinase C and Tyrosine kinases. CD34 antigen is expressed on small vessel endothelial cells and tumors of epithelial origin. CD34 is possibly an adhesion molecule with a putative role in early hematopoiesis by mediating the attachment of stem cells to the bone marrow extracellular matrix or directly to stromal cells. It 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. So CD34 is considered to be ideal marker for identifying and quantifying hematopoietic progenitor stem cells. With interaction with CrkL, CD34 becomes a substrate for PKC and CD34 surface expression is associated with activation of PKC
Immunogen	peptide

Key Feature

Clonality	Polyclonal
Isotype	IgG
Host Species	Rabbit
Tested Applications	WB ,ICC ,IHC ,FC
Species Reactivity	Human Zebra Fish
Concentration	1 mg/mL.

Target Information

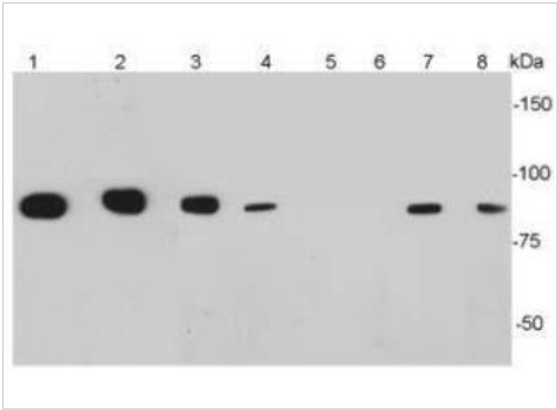
Alternative Names	CD34 antibody CD34 antigen antibody CD34 molecule antibody CD34_HUMAN antibody Cluster designation 34 antibody Hematopoietic progenitor cell antigen CD34 antibody HPCA1 antibody Mucosialin antibody OTTHUMP00000034733 antibody OTTHUMP00000034734 antibody
Molecular Weight(MW)	90 kDa

Database Links

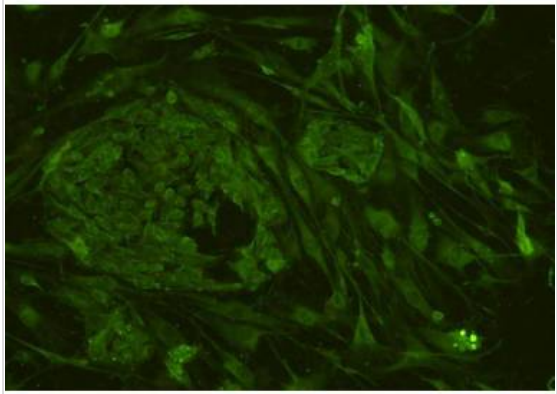
SwissProt ID

P28906

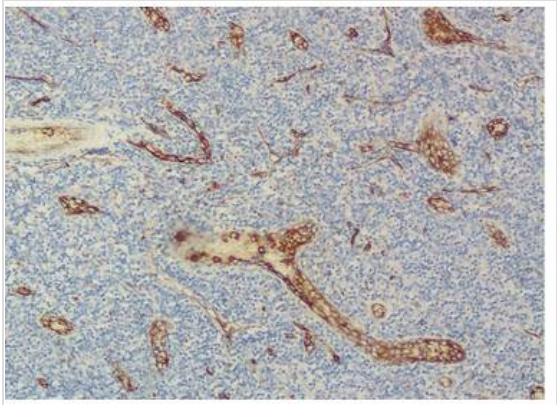
Application



Application
Fig1: Western blot analysis of CD34 on different cell lysates using anti-CD34 antibody at 1/1000 dilution. Positive control: Lane 1: Human brain Lane2: Mouse brain Lane3: Mouse testis Lane 4: Mouse thymus Lane5: Mouse spleen Lane6:Jurkat Lane7: TF-1 Lane8: F9



Application
Fig2: ICC staining CD34 in hES cells (green). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



Application
Fig3: Immunohistochemical analysis of paraffin-embedded human tonsil tissue using anti- CD34 rabbit polyclonal antibody.

Positive Control	Human brain, mouse brain, mouse testis, Mouse thymus, mouse spleen, Jurkat, TF-1, F9, human embryonic stem cell, human tonsil tissue
Application Notes	WB:1:500-1:1,000 ICC:1:100 IHC:1:3,000 FC:1:50-1:100

Additional Information

Form	Liquid
Storage Instructions	Store at +4°C after thawing. Aliquot store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.
Storage Buffer	1*TBS (pH7.4), 1%BSA, 40%Glycerol. Preservative: 0.05% Sodium Azide.
Note	The product is for research use only,not for use in diagnostic or therapeutic procedures.

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