

CD34 polyclonal antibody

Catalog: BS90234

Host: Rabbit

Reactivity: Human,mouse,rat

BackGround:

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.

Product:

Rabbit IgG, 1mg/ml in PBS with 0.02% sodium azide, 50% glycerol, pH7.2

Molecular Weight:

120 kDa

Swiss-Prot:

P28906

Purification&Purity:

Peptide affinity purified

Applications:

WB:1:1,000-1:2,000

ICC:1:200

IHC:1:2,000-1:3,000

FC:1:50-1:100

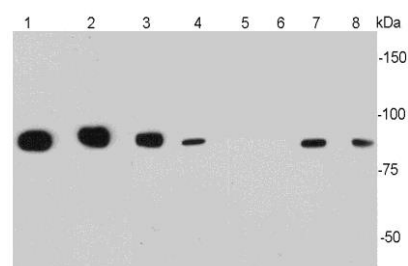
Storage&Stability:

Store at +4 °C after thawing. Aliquot store at -20 °C or -80 °C. Avoid repeated freeze / thaw cycles.

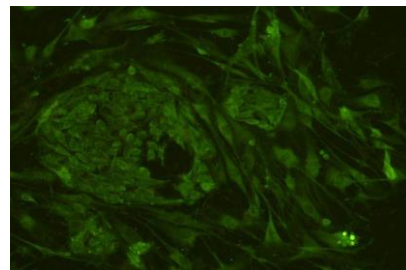
Specificity:

CD34 polyclonal antibody detects endogenous levels of CD34 protein.

DATA:



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



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

Note:

For research use only, not for use in diagnostic procedure.

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