

CD34 Antibody (Center) (Clone # 132CT29.1.5)
Mouse Monoclonal Antibody
Catalog # ABV11333**Specification**

CD34 Antibody (Center) (Clone # 132CT29.1.5) - Product Information

Application	WB, IHC
Primary Accession	P28906
Host	Mouse
Clonality	Monoclonal
Isotype	Mouse IgG1κ
Calculated MW	40716

CD34 Antibody (Center) (Clone # 132CT29.1.5) - Additional Information**Gene ID 947**

Positive Control	Western blot: HUVEC cell lysate, IHC: human hepatocarcinoma.
Application & Usage	WB: 1:1000, IHC: 1:10 - 1:50.
Other Names	
CD34; Hematopoietic progenitor cell antigen CD34	

Target/Specificity
CD34**Antibody Form**
Liquid**Appearance**
Colorless liquid**Formulation**
In PBS with 0.09% (W/V) sodium azide.**Handling**
The antibody solution should be gently mixed before use.**Reconstitution & Storage**
-20 °C**Background Descriptions****Precautions**
CD34 Antibody (Center) (Clone # 132CT29.1.5) is for research use only and not for use in diagnostic or therapeutic procedures.**CD34 Antibody (Center) (Clone # 132CT29.1.5) - Protein Information**

Name CD34**Function**

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.

Cellular Location

Membrane; Single-pass type I membrane protein.

Tissue Location

Selectively expressed on hematopoietic progenitor cells and the small vessel endothelium of a variety of tissues

CD34 Antibody (Center) (Clone # 132CT29.1.5) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

CD34 Antibody (Center) (Clone # 132CT29.1.5) - Images**CD34 Antibody (Center) (Clone # 132CT29.1.5) - Background**

CD34 is a heavily glycosylated, 105-120 kDa transmembrane glycoprotein expressed on hematopoietic progenitor cells, vascular endothelial cells and some fibroblasts. The CD34 cytoplasmic domain is a target for phosphorylation by activated protein kinase C, suggesting a role for CD34 in signal transduction. CD34 may also play a role in adhesion of certain antigens to endothelium.