Datasheet for ABIN1112257

CD34 (human): 293T Lysate

1 Image | 6 Publications

Go to Product page

Overview

Quantity:	100 µg
Target:	CD34
Species of Lysate:	Human Cells
Application:	Western Blotting (WB)

Product Details

Characteristics:	CD34 molecule is a cluster of differentiation molecule present on certain cells within the human body. It is a cell surface glycoprotein and functions as a cell-cell adhesion factor. It may also mediate the attachment of stem cells to bone marrow extracellular matrix or directly to stromal cells. The CD34 protein is a member of a family of single- pass transmembrane sialomucin proteins that show expression on early hematopoietic and vascular- associated tissue. However little is known about its exact function. CD34 is also an important adhesion molecule and is required for T cells to enter lymph nodes. It is expressed on lymph node endothelia whereas the L- selectin to which it binds is on the T cell. Conversely, under other circumstances CD34 has been shown to act as molecular \\
Lysate Fraction:	Whole Cell Lysate
Lysate Type:	Overexpression Lysate
Lysed Cells:	HEK 293T Cells

Target Details

Target:	CD34
Alternative Name:	CD34 (CD34 Products)

Application Details

Application Notes:	CD34 (h): 293T Lysate is suitable as a Western Blotting positive control for human reactive CD34 antibodies. Recommended use: 10-20 µl per lane. Control 293T Lysate: 293LYS is available as a Western Blotting negative control lysate derived from non-transfected 293T cells.
Restrictions:	For Research Use only

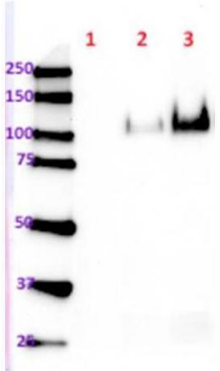
Handling

Handling Advice:	Repeated freezing and thawing should be minimized. Sample vial should be boiled once prior to use. Non-hazardous. No MSDS required.
Storage:	-20 °C

Publications

Product cited in:	Lang, Schulte, Goddard, Hedrick, Schulte, Wei, Schmiedt: "Transplantation of mouse embryonic stem cells into the cochlea of an auditory-neuropathy animal model: effects of timing after injury." in: **Journal of the Association for Research in Otolaryngology : JARO**, Vol. 9, Issue 2, pp. 225-40, (2008) (PubMed). Lang, Ebihara, Schmiedt, Minamiguchi, Zhou, Smythe, Liu, Ogawa, Schulte: "Contribution of bone marrow hematopoietic stem cells to adult mouse inner ear: mesenchymal cells and fibrocytes." in: **The Journal of comparative neurology**, Vol. 496, Issue 2, pp. 187-201, (2006) (PubMed). There are more publications referencing this product on: Product page

Validation report #028889 for Immunofluorescence (IF)



Western blot analysis of CD34 expression in non-transfected: 293LYS (1) and human CD34 transfected: H34LYS (2, 3) 293T whole cell lysates.

1. 239LYS Sample
2. H34LYS Sample 10 µl
3. Sample 20 µl

Image 1.