

Datasheet for ABIN1713693
anti-CD34 antibody (AA 210-260)



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Overview

Quantity:	100 µL
Target:	CD34
Binding Specificity:	AA 210-260
Reactivity:	Human, Mouse, Rat, Pig
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This CD34 antibody is un-conjugated
Application:	Flow Cytometry (FACS), Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunofluorescence (Paraffin-embedded Sections) (IF (p))

Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human CD34
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Pig, Rat
Purification:	Purified by Protein A.

Target Details

Target:	CD34
Alternative Name:	CD34 (CD34 Products)
Background:	Synonyms: Hematopoietic progenitor cell antigen CD34, CD34

Target Details

Background: 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.

Gene ID: 947

UniProt: [P28906](#)

Application Details

Application Notes: WB 1:300-5000
FCM 1:20-100
IHC-P 1:200-400
IF(IHC-P) 1:50-200

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: 1 µg/µL

Buffer: 0.01M TBS(pH 7.4) with 1 % BSA, 0.02 % Proclin300 and 50 % Glycerol.

Preservative: ProClin

Precaution of Use: This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.

Storage: 4 °C, -20 °C

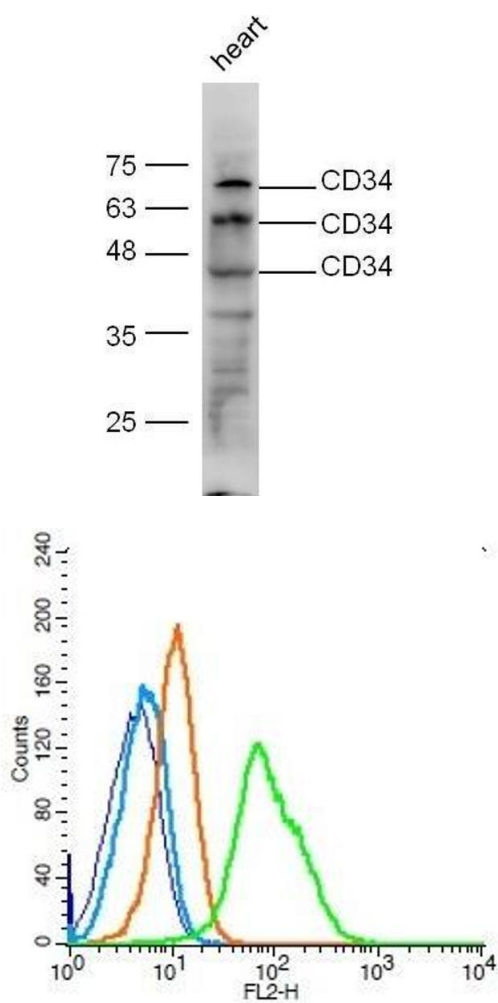
Storage Comment: Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

Expiry Date: 12 months

Publications

Product cited in: Lee, Bae, Park, Jang, Shim, Lim, Park, Sim, Jeong: "Comparison of dextran-based sirolimus-eluting stents and PLA-based sirolimus-eluting stents in vitro and in vivo." in: **Journal of biomedical materials research. Part A**, Vol. 105, Issue 1, pp. 301-310, (2016) ([PubMed](#)).

Cui, Zheng, Gong, Wen, Ma, Zhou, Zhang: "Effects of Bu-Shen-An-Tai recipe and its two components on endometrial morphology during peri-implantation in superovulated mice." in: **Journal of Huazhong University of Science and Technology. Medical sciences = Hua zhong ke ji da xue xue bao. Yi xue Ying De wen ban = Huazhong keji daxue xuebao. Yixue Yingdewen ban**, Vol. 34, Issue 5, pp. 768-74, (2014) ([PubMed](#)).

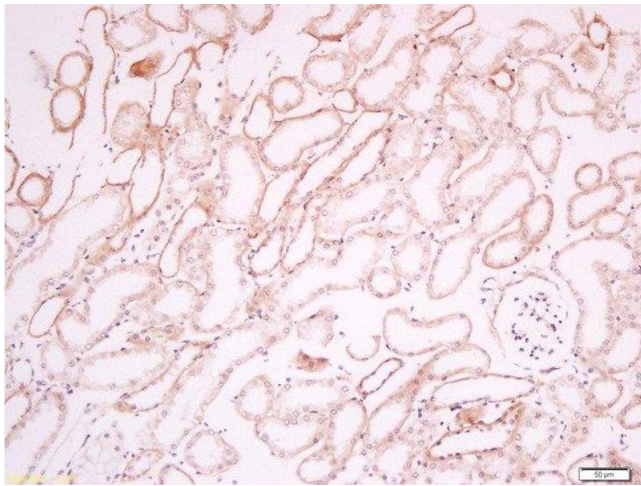


Western Blotting

Image 1. Mouse heart lysate probed with Anti-CD34 Polyclonal Antibody, Unconjugated at 1:5000 for 90 min at 37°C.

Flow Cytometry

Image 2. Human Raji cells probed with CD34 Polyclonal Antibody, Unconjugated (green) at 1:100 for 30 minutes followed by a PE conjugated secondary antibody compared to unstained cells (blue), secondary only (light blue), and isotype control (orange).



Immunohistochemistry (Paraffin-embedded Sections)

Image 3. Paraformaldehyde-fixed, paraffin embedded mouse kidney tissue, Antigen retrieval by boiling in sodium citrate buffer(pH6) for 15min, Block endogenous peroxidase by 3% hydrogen peroxide for 30 minutes, Blocking buffer (normal goat serum) at 37°C for 20min, Antibody incubation with Rabbit Anti-CD34 Polyclonal Antibody, Unconjugated at 1:200 overnight at 4°C, followed by a conjugated secondary and DAB staining