Anti-CD34 antibody [4H11[APG]] (FITC) ab18227

Overview

Product name: Anti-CD34 antibody [4H11[APG]] (FITC)
Description: Mouse monoclonal [4H11[APG]] to CD34 (FITC)
Host species: Mouse
Conjugation: FITC. Ex: 493nm, Em: 528nm
Tested applications: Suitable for: Flow Cyt
Species reactivity: Reacts with: Human
Immunogen: Permanent human cell line derived from peripheral leucocytes of a patient suffering from chronic myeloid leukaemia.
Epitope: Class III epitope on CD34 antigen.
Positive control: Human blood cells.

Properties

Form: Liquid
Storage instructions: Shipped at 4°C. Store at +4°C.
Storage buffer: pH: 7.40
Preservative: 0.097% Sodium azide
 Constituents: PBS, BSA
Purification notes: Purified
Clonality: Monoclonal
Clone number: 4H11[APG]
Isotype: IgG1

Applications

Our Abpromise guarantee covers the use of ab18227 in the following tested applications.
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.
### Target

**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.

**Tissue specificity**
Selectively expressed on hematopoietic progenitor cells and the small vessel endothelium of a variety of tissues.

**Sequence similarities**
Belongs to the CD34 family.

**Developmental stage**
On early hematopoietic progenitor cells.

**Post-translational modifications**
Highly glycosylated.
Phosphorylated on serine residues by PKC.

**Cellular localization**
Membrane.

### Images

Surface staining of Kg-1a human acute myelogenous leukemia cell line with anti-human CD34 (4H11[APG]) FITC (ab18227). Total viable cells were used for analysis.

ab18227 was used at a recommended dilution of 2 µg/ml.

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