

Anti-CD34 [5B12] Standard Size Ab00422-10.3

This antibody was created using our proprietary Fc Silent™ engineered Fc domain containing key point mutations that abrogate binding to Fc gamma receptors.

This chimeric human antibody was made using the variable domain sequences of the original Mouse IgG1 format, for improved compatibility with existing reagents, assays and techniques.

Isotype and Format: Human IgG1, Fc Silent™, Kappa

Clone Number: 5B12

Alternative Name(s) of Target: Hematopoietic Progenitor Cell Antigen

UniProt Accession Number of Target Protein: P28906

Published Application(s): ELISA

Published Species Reactivity: Human

Immunogen: Human CD34.

Specificity: This antibody binds specifically to human CD34.

Application Notes: This antibody binds to human CD34, which mediates the attachment of stem cells to the bone marrow or the extracellular matrix.

Antibody First Published in: Qian et al. Development of new versions of anti-human CD34 monoclonal antibodies with potentially reduced immunogenicity. Biochemical and Biophysical Research Community 2008; 367(2):497-502 [PMID:18190781](#)

Note on publication: Describes the generation of several mouse monoclonals against human different CD34 epitopes.

Product Form

Size: 200 µg Purified antibody.

Purification: Protein A affinity purified

Supplied In: PBS with 0.02% Proclin 300.

Storage Recommendation: Store at 4°C for up to 3 months. For longer storage, aliquot and store at -20°C.

Concentration: 1 mg/ml.

Important note - This product is for research use only. It is not intended for use in therapeutic or diagnostic procedures for humans or animals.