Anti-CD34 [4C8] Standard Size Ab01128-10.3

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: 4C8
Alternative Name(s) of Target: Hematopoietic progenitor cell antigen CD34; Q3C1E8
UniProt Accession Number of Target Protein: P28906
Published Application(s): WB, ELISA, FC
Published Species Reactivity: Human
Immunogen: This antibody was raised by immunising BALB/c mice with cells of the KG-1a human acute myeloid leukaemia cell line.
Specificity: This antibody is specific for human CD34, as confirmed by western blot analysis, and recognises a class II epitope.
Application Notes: This antibody effectively binds to CD34-expressing KG-1a cells in FC analysis, and has been shown to react specifically with CHO-CD34 cells, but not CHO cells (Qian et al, 2008). This antibody has also been shown to bind CD34 in western blot analysis (Qian et al, 2008).
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 Communications; Volume 367, Issue 2, 7 March 2008, Pages 497-502 PMID:
Note on publication: Describes the original generation of this antibody, and its characterisation and use in FC, WB and ELISA analysis.

Product Form

Size: 200 µg Purified antibody.
Purification: Protein A affinity purified
Supplied In: PBS with 0.02% Proclin 300.
Storage Recommendation: Store at 4ºC for up to 3 months. For longer storage, aliquot and store at -

20^{o}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.