

## Anti-CD34 [2E10] Standard Size Ab01129-10.0

This chimeric human antibody was made using the variable domain sequences of the original Mouse IgG3 format, for improved compatibility with existing reagents, assays and techniques.

**Isotype and Format:** Human IgG1, Kappa

**Clone Number:** 2E10

**Alternative Name(s) of Target:** Hematopoietic progenitor antigen; Hematopoietic progenitor cell antigen CD34; Q3C1E9

**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 KG-1a cells, a human acute myeloid leukaemia cell line.

**Specificity:** This antibody is specific for human CD34, as confirmed by western blot analysis, and recognises a class III 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 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.