

Rabbit anti-Human CD34 Antibody | anti-CD34 antibody

Anti-CD34 [2E 10], Rabbit IgG

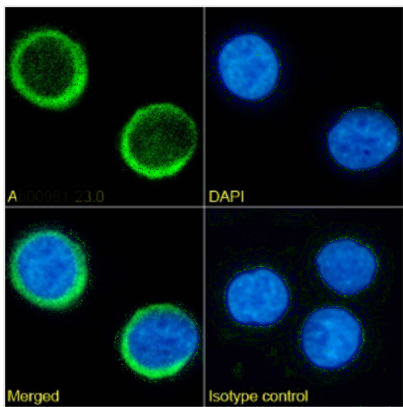
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA72260	Rabbit	Human	Western Blot, Immunofluorescence, Flow Cytometry, Functional Assay

PRODUCT SYNONYMS

CD34; Anti-CD34 [2E 10]; Rabbit IgG; Hematopoietic progenitor antigen; Hematopoietic progenitor cell antigen CD34; anti-CD34 antibody

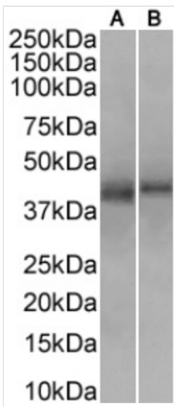
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Isotype	Rabbit IgG, Kappa
Clone Number	2E 10
Specificity	The antibody is specific to a class III epitope on CD34, which is not susceptible to cleavage by neuraminidase, chymopapain or glycoprotease.
Purity/Purification	Protein A affinity purified
Form/Format	PBS with 0.02% Proclin 300.
Concentration	1mg/ml (varies by lot)
Applicable Applications for anti-CD34 antibody	WB (Western Blot), IF (Immunofluorescence), FCM/FACS (Flow Cytometry)
Immunogen	The antibody was raised by repeatedly immunising BALB/c mice with KG-1a cells.
Chimeric Use Statement	This chimeric rabbit antibody was made using the variable domain sequences of the original Mouse IgG3 format, for improved compatibility with existing reagents, assays and techniques.
Preparation and Storage	Store at 4 degree C for up to 3 months. For longer storage, aliquot and store at -20 degree C.



IF (Immunofluorescence)

Immunofluorescence staining of K562 cells with anti-CD34 (AAA72260) 2E 10. Immunofluorescence analysis of paraformaldehyde fixed K562 cells stained with the chimeric rabbit IgG version of 2E 10 (AAA72260-23.0) (1:1000 dilution) for 1h followed by Alexa Fluor 488 secondary antibody (1:1500 dilution), showing nuclear staining. The nuclear stain is DAPI (blue). Panels show from left-right, top-bottom AAA72260-23.0, DAPI, merged channels and an isotype control. The isotype control was anti-fluorescein antibody followed by staining with Alexa Fluor 488 secondary antibody.



WB (Western Blot)

Western Blot using anti-CD34 antibody 2E 10 (AAA72260). Jurkat(A) (1ug/ml) cells lysate and K562(B) (1ug/ml) cells lysate (35ug protein in RIPA buffer) were resolved on a SDS PAGE gel and blots were probed with the chimeric rabbit version of 2E 10 (AAA72260-23.0) before detection using an anti-rabbit secondary antibody. A primary incubation of 1h was used and protein was detected by chemiluminescence.

ADDITIONAL INFORMATION

Related Product Information for anti-CD34 antibody	This antibody, labelled with fluoroscein isothiocyanate, has been used in flow cytometry to assess the loss of expression of CD34 epitopes following enzyme incubation (Qian et al., 2008). The antibody has been used as a primary antibody against CD34 in Western blot analysis, using HRP-conjugated goat anti-mouse IgG as a secondary antibody.
Product Categories/Family for anti-CD34 antibody	CD markers; immunology; cell membrane; cell adhesion
References	Qian et al. Development of new versions of anti-human CD34 monoclonal antibodies with potentially reduced immunogenicity Biochem Biophys Res Commun. 2008 Mar 7;367(2):497-502. PMID:18190781

NCBI AND UNIPROT INFORMATION

NCBI GI #	264769
NCBI GeneID	947
UniProt Accession #	P28906; Q15970; Q15971; Q5JTA3; Q5JTA4; Q9UJB1; A8K664
Molecular Weight	40,716 Da
NCBI Official Full Name	CD34
NCBI Official Synonym Full Names	CD34 molecule
NCBI Official Symbol	CD34
NCBI Protein Information	hematopoietic progenitor cell antigen CD34; CD34 antigen
UniProt Protein Name	Hematopoietic progenitor cell antigen CD34
UniProt Gene Name	CD34
UniProt Entry Name	CD34_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.