

Human CD34 molecule ELISA Kit | CD34 elisa kit

Human cluster of differentiation 34, CD34 ELISA Kit

CATALOG #
AAA80287

REACTIVITY
Human

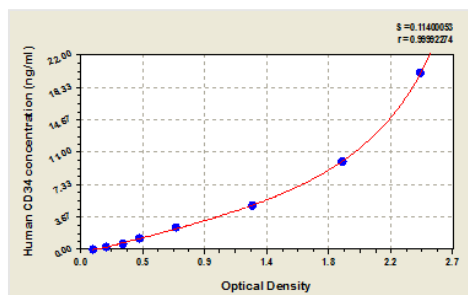
PRODUCT SYNONYMS

CD34 molecule; Human cluster of differentiation 34; CD34 ELISA Kit; Human cluster of differentiation 34 (CD34) ELISA Kit; RP11-328D5.2; CD34 antigen; hematopoietic progenitor cell antigen CD34; CD34 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of Human CD34. No significant cross-reactivity or interference between Human CD34 and analogues was observed.
Sequence Length	385
Samples	Serum, plasma and tissue homogenates
Assay Type	Sandwich
Detection Range	0.312 ng/ml-20 ng/ml
Sensitivity	0.078 ng/ml
Intra-assay Precision	Intra-assay Precision (Precision within an assay): CV% is less than 8% Three samples of known concentration were tested twenty times on one plate to assess. Inter-assay Precision (Precision between assays): CV% is less than 10% Three samples of known concentration were tested in twenty assays to assess.
Detection Wavelength	450 nm
Sample Volume	50-100ul
Protein Biological Process 1	Cell Adhesion
Protein Biological Process 3	Cell adhesion
Preparation and Storage	Unopened test kits should be stored at 2 to 8 degree C upon receipt. Please refer to pdf manual for further storage instructions.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for CD34 elisa kit	Principle of the Assay: This assay employs the quantitative sandwich enzyme immunoassay technique. Antibody specific for CD34 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any CD34 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for CD34 is added to the wells. After washing, avidin conjugated Horseradish Peroxidase (HRP) is added to the wells. Following a wash to remove any unbound avidin-enzyme reagent, a substrate solution is added to the wells and color develops in proportion to the amount of CD34 bound in the initial step. The color development is stopped and the intensity of the color is measured.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	68342038
NCBI GeneID	947
NCBI Accession #	NP_001020280.1
NCBI GenBank Nucleotide #	NM_001025109.1
UniProt Accession #	P28906; Q15970; Q15971; Q5JTA3; Q5JTA4; Q9UJB1; A8K664
Molecular Weight	40,716 Da
NCBI Official Full Name	hematopoietic progenitor cell antigen CD34 isoform a
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.

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Online datasheet: <https://www.aaabiotech.com/human-elisa-kits/cd34-molecule/80287>