

## ARG83244 Human CD34 ELISA Kit

Package: 96 wells  
Store at: 4°C

### Summary

Product Description	ARG83244 Human CD34 ELISA Kit is an Enzyme Immunoassay kit for the quantification of Human CD34 in Serum, Plasma and Cell culture supernatants.
Tested Reactivity	Hu
Tested Application	ELISA
Specificity	There is no detectable cross-reactivity with other relevant proteins.
Target Name	CD34
Conjugation	HRP
Conjugation Note	Substrate: TMB and read at 450 nm.
Sensitivity	15 pg/ml
Detection Range	156 pg/ml - 10,000 pg/ml
Sample Type	Serum, Plasma and Cell culture supernatants
Precision	Intra-Assay CV: 6.7% Inter-Assay CV: 6.3%
Alternate Names	Hematopoietic progenitor cell antigen CD34; CD antigen CD34

### Application Instructions

Assay Time	~ 5 hours
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### Properties

Form	96 well
Storage instruction	Store the kit at 2-8°C. Keep microplate wells sealed in a dry bag with desiccants. Do not expose test reagents to heat, sun or strong light during storage and usage. Please refer to the product user manual for detail temperatures of the components.
Note	For laboratory research only, not for drug, diagnostic or other use.

### Bioinformation

Gene Symbol	CD34
Gene Full Name	CD34 molecule
Background	CD34 protein may play a role in the attachment of stem cells to the bone marrow extracellular matrix or to stromal cells. This single-pass membrane protein is highly glycosylated and phosphorylated by protein kinase C. Two transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Aug 2011]
Function	CD34 is a possible adhesion molecule with a role in early hematopoiesis by mediating the attachment of stem cells to the bone marrow extracellular matrix or directly to stromal cells. Could act as a scaffold

for the attachment of lineage specific glycans, allowing stem cells to bind to lectins expressed by stromal cells or other marrow components. Presents carbohydrate ligands to selectins. [UniProt]

Research Area

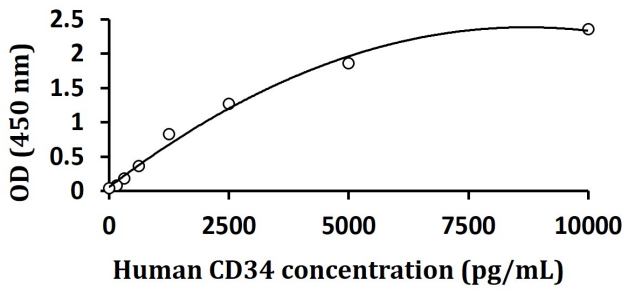
Cancer antibody; Cell Biology and Cellular Response antibody; Controls and Markers antibody; Developmental Biology antibody; Immune System antibody; Neuroscience antibody; Pro-B Cell Marker antibody; Endothelial Cell Marker antibody; Angiogenesis Study antibody

PTM

Highly glycosylated.  
Phosphorylated on serine residues by PKC.

Images

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ARG83244 Human CD34 ELISA Kit standard curve image

ARG83244 Human CD34 ELISA Kit results of a typical standard run with optical density reading at 450 nm.

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