Best Tools for immunology Research

CD34 (ABT218R) rabbit mAb

Catalog No :	YM7049
Reactivity :	Human;
Applications :	IHC; ELISA
Target :	CD34
Fields :	>>Cell adhesion molecules;>>Hematopoietic cell lineage
Gene Name :	CD34
Protein Name :	Hematopoietic progenitor cell antigen CD34 (CD antigen CD34)
Human Gene Id :	947
Human Swiss Prot No :	P28906
Immunogen :	Synthesized peptide derived from human CD34 AA range:150-250
Specificity :	This antibody detects endogenous levels of CD34
Formulation :	PBS, 50% glycerol, 0.05% Proclin 300, 0.05%BSA
Source :	Monoclonal, Rabbit IgG1, Kappa
Dilution :	IHC 1:100-500, ELISA 1:5000-20000
Purification :	Recombinant Expression and Affinity purified
Storage Stability :	-15°C to -25°C/1 year(Do not lower than -25°C)
Background :	The protein encoded by this gene 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 :	alternative products:Both isoforms are expressed on the cell surface. CD34-T/CD34-F ratio increases with cell differentiation,developmental stage:On early hematopoietic progenitor cells.,disease:Abnormal CD34 expression in leukemogenesis.,function: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.,online information:CD34 entry,PTM:Highly glycosylated.,PTM:Phosphorylated on serine residues by PKC.,similarity:Belongs to the CD34 family.,tissue specificity:Selectively expressed on hematopoietic progenitor cells and the small vessel endothelium of a variety of tiss
Subcellular Location :	Membrane; Single-pass type I membrane protein.
Expression :	Selectively expressed on hematopoietic progenitor cells and the small vessel endothelium of a variety of tissues.

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