



Mouse Anti-Human CD34 monoclonal antibody (CABT-L968)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Specificity	CD34 Monoclonal Antibody detects endogenous levels of CD34 protein.
Target	CD34
Immunogen	Purified recombinant fragment of CD34 expressed in E. Coli.
Source/Host	Mouse
Species Reactivity	Human
Purification	Affinity purified
Conjugate	Unconjugated
Applications	WB, IHC, IF, ELISA
Cellular Localization	Membrane; Single-pass type I membrane protein
Format	Liquid.
Size	100 µl
Preservative	0.03% Sodium Azide
Storage	Store at -20°C. Avoid repeated freeze/thaw cycles.

BACKGROUND

Introduction	CD34 is a highly glycosylated monomeric 111-115 kDa surface protein, which is present on many stem cell populations. It is a well established stem cell marker, though its expression on
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human hematopoietic stem cells is reversible. CD34 probably serves as a surface receptor that undergoes receptor-mediated endocytosis and regulates adhesion, differentiation and proliferation of hematopoietic stem cells and other progenitors. CD34 expression is likely to represent a specific state of hematopoietic development that may have altered adhering properties with expanding and differentiating capabilities in both in vitro and in vivo conditions.

Keywords	CD34;hematopoietic progenitor cell antigen CD34;CD34 antigen;hematopoietic progenitor cell marker CD34
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GENE INFORMATION

Entrez Gene ID	947
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UniProt ID	P28906
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