



Mouse Anti-Human CD34 monoclonal antibody, clone 692 [FITC] (CABT-L969)

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

PRODUCT INFORMATION

Target	CD34
Immunogen	Human CD34
Isotype	IgG1
Source/Host	Mouse
Species Reactivity	Human
Clone	692
Purification	Purified
Conjugate	FITC
Applications	FC
Format	Liquid.
Concentration	0.2 mg/ml
Size	500 µl
Buffer	PBS with 4mg/ml BSA
Preservative	0.1% Sodium Azide
Storage	4° C

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 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

GENE INFORMATION

Entrez Gene ID

[947](#)

UniProt ID

[P28906](#)