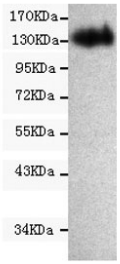
CD133 Antibody / PROM1 [clone 6H10-F1-C11] (F54026)

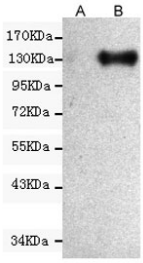
Catalog No.	Formulation	Size
F54026-0.1ML	In PBS with 50% glycerol, 0.1mg/ml BSA and 0.02% sodium azide	0.1 ml

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human
Format	Purified
Host	Mouse
Clonality	Monoclonal (mouse origin)
Isotype	Mouse IgG2a
Clone Name	6H10-F1-C11
Purity	Protein G affinity
UniProt	O43490
Applications	Western Blot : 1:1000
Limitations	This CD133 antibody is available for research use only.



Western blot testing of human CaCo2 cell lysate with CD133 antibody at 1:1000. Predicted molecular weight: ~97 kDa (unmodified), ~130 kDa (glycosylated).



Western blot testing of A) untransfected and B) transfected CHO-K1 cells with CD133 antibody at 1:1000. Predicted molecular weight: ~97 kDa (unmodified), ~130 kDa (glycosylated).

Description

CD133/PROM1/Prominin-1 may play a role in cell differentiation, proliferation and apoptosis. Binds cholesterol in cholesterol-containing plasma membrane microdomains and may play a role in the organization of the apical plasma membrane in epithelial cells. During early retinal development acts as a key regulator of disk morphogenesis. Involved in regulation of MAPK and Akt signaling pathways. In neuroblastoma cells suppresses cell differentiation such as neurite outgrowth in a RET-dependent manner. [UniProt]

Application Notes

The stated application concentrations are suggested starting points. Titration of the CD133 antibody may be required due to differences in protocols and secondary/substrate sensitivity.

Immunogen

A human recombinant partial protein was used as the immunogen for this CD133 antibody.

Storage

Store the CD133 antibody at -20oC.