

For Research Use Only

# CoraLite® Plus 488-conjugated CD133 Monoclonal antibody

Catalog Number: CL488-66666

2 Publications



## Basic Information

Catalog Number:

CL488-66666

Size:

100ul , Concentration: 1000 µg/ml by Nanodrop;

Source:

Mouse

Isotype:

IgG1

Immunogen Catalog Number:

AG13327

GenBank Accession Number:

BC012089

GeneID (NCBI):

8842

UNIPROT ID:

O43490

Full Name:

prominin 1

Calculated MW:

97 kDa

Observed MW:

115 kDa, 80-90 kDa

Purification Method:

Protein G purification

CloneNo.:

2B8A2

Excitation/Emission maxima wavelengths:

493 nm / 522 nm

## Applications

Tested Applications:

Species Specificity:

Human

Cited Species:

human

## Background Information

CD133, also known as PROM1 (prominin-1) or AC133, belongs to the prominin family. CD133 is a transmembrane glycoprotein with an NH<sub>2</sub>-terminal extracellular domain, five transmembrane loops and a cytoplasmic tail. The expression of CD133 has been reported in hematopoietic stem cells, endothelial progenitor cells, neuronal and glial stem cells, suggesting the potential role of CD133 as a cell surface marker of adult stem cells. CD133 has also been reported as a marker of cancer stem cells in various human tumors. CD133 is a highly glycosylated protein with an apparent molecular weight of 115-120 kDa. After the treatment of the lysates with glycosidase, CD133 shifted to a protein with an apparent molecular weight of 80-90 kDa (PMID: 23150174; 20068153).

## Notable Publications

Author	Pubmed ID	Journal	Application
Ke Huang	39515408	Exp Cell Res	
Binghuang Zhang	38911389	J Cancer	

## Storage

Storage:

Store at -20°C. Avoid exposure to light. Stable for one year after shipment.

Storage Buffer:

PBS with 50% Glycerol, 0.05% Proclin300, 0.5% BSA, pH 7.3.

Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:

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