

For Research Use Only

CoraLite® Plus 488-conjugated CD34 Recombinant antibody

Catalog Number: CL488-83713-2



Basic Information

Catalog Number:

CL488-83713-2

Concentration:

1000 ug/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

EG0854

GenBank Accession Number:

NM_133654

GeneID (NCBI):

12490

UNIPROT ID:

Q64314

Full Name:

CD34 antigen

Calculated MW:

41 kDa

Observed MW:

105 kDa

Purification Method:

Protein A purification

CloneNo.:

240659C7

Recommended Dilutions:

IF/ICC: 1:50-1:500

Excitation/Emission maxima wavelengths:

493 nm / 522 nm

Applications

Tested Applications:

IF/ICC

Species Specificity:

mouse

Positive Controls:

IF/ICC : NIH/3T3 cells,

Background Information

CD34 is a 105- to 120-kDa glycoprophosphoprotein expressed on the majority of hematopoietic stem/progenitor cells, bone marrow stromal cells, capillary endothelial cells, embryonic fibroblasts, and some nerve tissue. CD34 is a commonly used marker for identifying human hematopoietic stem/progenitor cells and mediates cell adhesion and lymphocyte homing by binding L-selectin and E-selectin ligands. CD34 is also one of the best negative selection markers for characterizing and/or isolating human MSCs from bone marrow and other sources. Along with other positive selection markers (such as CD29, CD44, CD90, CD105 and CD166), negative selection markers (such as CD34 and CD45) are used for MSC identification.

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, pH7.3

Aliquoting is unnecessary for -20°C storage

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

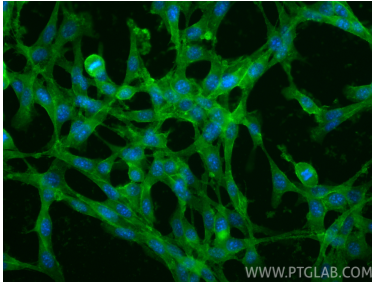
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This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data



Immunofluorescent analysis of (-20°C Ethanol) fixed NIH/3T3 cells using CoraLite® Plus 488 CD34 antibody (CL488-83713-2, Clone: 240659C7) at dilution of 1:200.