

For Research Use Only

CoraLite®594-conjugated CD34 Monoclonal antibody



Catalog Number:CL594-60180

Basic Information

Catalog Number:

CL594-60180

Size:

100UL, Concentration: 1000 µg/ml by 947

Bradford method using BSA as the standard;

Source:

Mouse

Isotype:

IgG2b

Immunogen Catalog Number:

AG5996

GenBank Accession Number:

BC039146

GeneID (NCBI):

947

Full Name:

CD34 molecule

Calculated MW:

41 kDa

Purification Method:

Protein A purification

CloneNo.:

3C8G12

Recommended Dilutions:

IF 1:50-1:500

Excitation/Emission maxima
wavelengths:

593 nm/614 nm

Applications

Tested Applications:

IF, ELISA

Species Specificity:

human

Positive Controls:

IF : human tonsillitis tissue,

Background Information

CD34 is a 105- to 120-kDa glycoposphoprotein 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 0.1% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

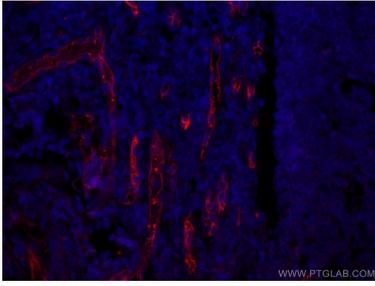
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free
in USA), or 1(312) 455-8498 (outside USA)

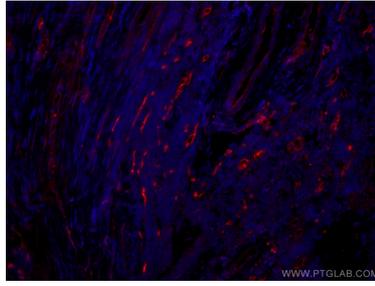
E: proteintech@ptglab.com
W: ptglab.com

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 (4% PFA) fixed human tonsillitis tissue using the CoraLite®594-conjugated version of this antibody, CL594-60180 (CD34 antibody), at dilution of 1:100.



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