

For Research Use Only

CD45 Monoclonal antibody, PBS Only



Catalog Number: 60287-1-PBS

Basic Information

Catalog Number:

60287-1-PBS

Size:

100ug, Concentration: 1 mg/ml by Nanodrop;

Source:

Mouse

Isotype:

IgG2a

Immunogen Catalog Number:

AG13712

GenBank Accession Number:

BC014239

GeneID (NCBI):

5788

ENSEMBL Gene ID:

ENSG00000081237

UNIPROT ID:

P08575

Full Name:

protein tyrosine phosphatase, receptor type, C

Calculated MW:

1304 aa, 147 kDa

Observed MW:

220 kDa

Purification Method:

Protein A purification

CloneNo.:

4E9B2

Applications

Tested Applications:

WB, IF, IHC, Indirect ELISA

Species Specificity:

human, pig, mouse, rat

Background Information

CD45, also known as leukocyte common antigen (LCA), B220, and T200, is a 180-240 kD single-chain type I membrane glycoprotein. It is a tyrosine phosphatase expressed on the plasma membrane of all hematopoietic cells, except erythrocytes and platelets. CD45 is a signaling molecule that regulates a variety of cellular processes including cell growth, differentiation, cell cycle, and oncogenic transformation. CD45 is one of the best negative selection markers for characterizing and/or isolating human mesenchymal stem cells from bone marrow and other sources. Along with the 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 -80°C.

Storage Buffer:

PBS Only

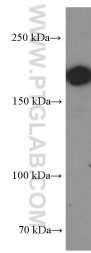
For technical support and original validation data for this product please contact:

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

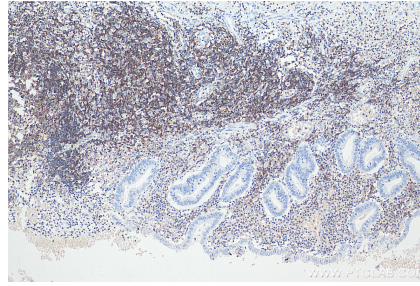
E: proteintech@ptglab.com
W: ptglab.com

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

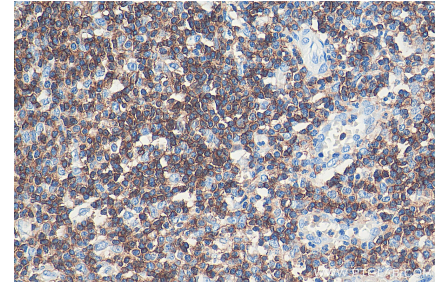
Selected Validation Data



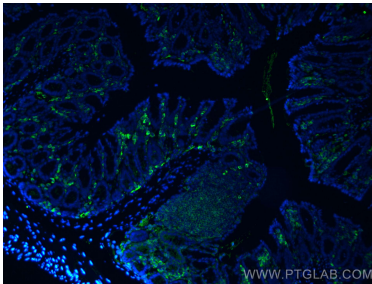
pig spleen tissue were subjected to SDS PAGE followed by western blot with 60287-1-Ig (CD45 Antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 60287-1-PBS in a different storage buffer formulation.



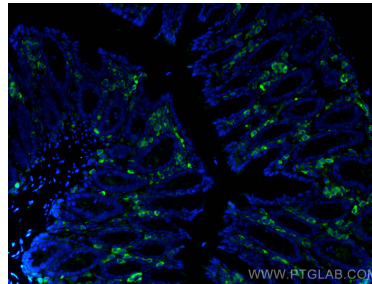
Immunohistochemical analysis of paraffin-embedded human appendicitis tissue slide using 60287-1-Ig (CD45 antibody) at dilution of 1:8000 (under 0x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 60287-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded human appendicitis tissue slide using 60287-1-Ig (CD45 antibody) at dilution of 1:8000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 60287-1-PBS in a different storage buffer formulation.



Immunofluorescent analysis of (4% PFA) fixed mouse colon tissue using CD45 antibody (60287-1-Ig, Clone: 4E9B2) at dilution of 1:1000 and CoraLite@488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L). This data was developed using the same antibody clone with 60287-1-PBS in a different storage buffer formulation.



Immunofluorescent analysis of (4% PFA) fixed mouse colon tissue using CD45 antibody (60287-1-Ig, Clone: 4E9B2) at dilution of 1:1000 and CoraLite@488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L). This data was developed using the same antibody clone with 60287-1-PBS in a different storage buffer formulation.