

For Research Use Only

CD90 Recombinant antibody

Catalog Number: 84180-1-RR



Basic Information

Catalog Number:

84180-1-RR

Size:

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

Source:

Rabbit

Isotype:

IgG

GenBank Accession Number:

BC065559

GeneID (NCBI):

7070

UNIPROT ID:

P04216

Full Name:

Thy-1 cell surface antigen

Calculated MW:

161 aa, 18 kDa

Observed MW:

25-35 kDa

Purification Method:

Protein A purification

CloneNo.:

241290B1

Recommended Dilutions:

WB 1:5000-1:50000

IF/ICC 1:200-1:800

Applications

Tested Applications:

WB, IF/ICC, ELISA

Species Specificity:

human, mouse, rat, pig

Positive Controls:

WB : SH-SY5Y cells, PC-12 cells, EL-4 cells, mouse brain tissue, rat brain tissue, pig brain tissue, fetal human brain tissue

IF/ICC : SH-SY5Y cells,

Background Information

CD90, also known as THY1, is a 25-35 kDa protein that is expressed on 1-4% of human fetal liver cells, cord blood cells, and bone marrow cells. CD90 is one of the essential surface molecules expressed on human MSC from bone marrow and other sources. Activation of Thy-1 has been reported to promote T cell activation. It also affects numerous nonimmunologic biological processes, including cellular adhesion, neurite outgrowth, tumor growth, migration, and cell death.

Storage

Storage:

Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol, pH7.3

Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

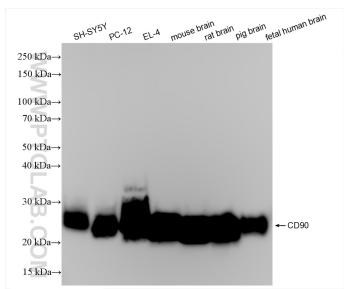
For technical support and original validation data for this product please contact:

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

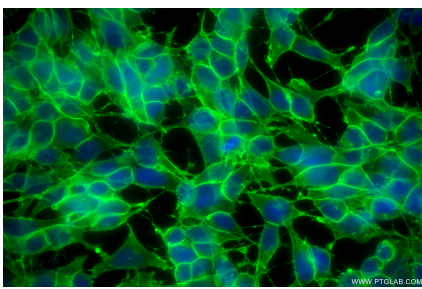
E: proteintech@ptglab.com
W: ptglab.com

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

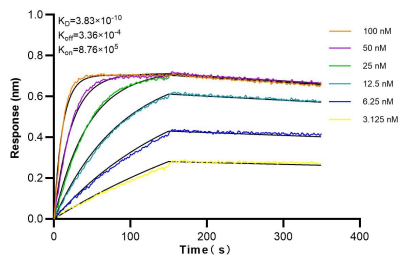
Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 84180-1-RR (CD90 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



Immunofluorescent analysis of (-20°C Methanol) fixed SH-SY5Y cells using CD90 antibody (84180-1-RR, Clone: 241290B1) at dilution of 1:400 and CoraLite® 488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2).



Biolayer interferometry (BLI) kinetic assays of 84180-1-RR against Human CD90 were performed. The affinity constant is 0.383 nM.