

For Research Use Only

CD40L/CD154 Monoclonal antibody, PBS Only



Catalog Number: 66502-1-PBS

Basic Information

Catalog Number:

66502-1-PBS

Size:

1 mg/ml

Source:

Mouse

Isotype:

IgG2a

Immunogen Catalog Number:

AG24941

GenBank Accession Number:

BC071754

GeneID (NCBI):

959

UNIPROT ID:

P29965

Full Name:

CD40 ligand

Calculated MW:

261 aa, 29 kDa

Observed MW:

30 kDa

Purification Method:

Protein A purification

CloneNo.:

1E6D10

Applications

Tested Applications:

WB, Indirect ELISA

Species Specificity:

Human, rat

Background Information

The CD40 ligand (CD40L, TRAP, CD154), a member of the TNF superfamily of ligands, is expressed as either a 33-kd transmembrane homologue or 18-kd soluble form (sCD154). CD40L is primarily expressed on activated CD4⁺ T cells and on a small proportion of CD8⁺ T cells and platelets. It binds to CD40 on antigen-presenting cells (APC), which leads to many effects depending on the target cell type. Recent studies have suggested that CD40/CD40L interactions regulate oxidative stress and affect various signaling pathways in both the immunological and the cardiovascular systems. The CD40/CD40L system is also involved in tumorigenesis. Its expression is tightly regulated, and abnormal levels of CD40L are associated with the pathogenesis of atheromatous plaque destabilization and thrombotic events. Multiple mutations in CD40LG gene have been identified that are associated with hyper-IgM immunodeficiency syndrome type 1.

Storage

Storage:

Store at -80°C.

The product is shipped with ice packs. Upon receipt, store it immediately at -80°C

Storage Buffer:

PBS Only

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

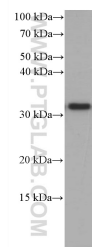
T: 4006900926

E: Proteintech-CN@ptglab.com

W: ptgcn.com

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Selected Validation Data



Jurkat cells were subjected to SDS PAGE followed by western blot with 66502-1-Ig (CD40L/CD154 antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 66502-1-PBS in a different storage buffer formulation.