CoraLite® Plus 488-conjugated CD40L/CD154 Monoclonal antibody

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Antibodies | ELISA kits | Proteins
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Catalog Number: CL488-66502

Basic Information

Catalog Number:
CL488-66502

Size:
100ul , Concentration: 1000 μg/ml by Nanodrop;

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:
32 kDa

Purification Method:
Protein A purification

CloneNo.:
1E6D10

Excitation/Emission maxima wavelengths:
493 nm / 522 nm

Applications

Tested Applications:

Species Specificity:
Human

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. It has been 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 -20℃. Avoid exposure to light. Stable for one year after shipment.
Storage Buffer:
PBS with 50% Glycerol, 0.05% Proclin300, 0.5% BSA, pH 7.3.
Aliquoting is unnecessary for -20°C storage

Selected Validation Data