

For Research Use Only

CoraLite® Plus 647 Anti-Mouse CD30 Ligand/TNFSF8 Rabbit Recombinant Antibody

Catalog Number: CL647-98113



Basic Information

Catalog Number:

CL647-98113

Concentration:

100ug, 500 ug/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

EG0667

GenBank Accession Number:

NM_009403.3

GeneID (NCBI):

21949

UNIPROT ID:

P32972

Full Name:

tumor necrosis factor (ligand)
superfamily, member 8

Calculated MW:

27 kDa

Purification Method:

Protein A purification

CloneNo.:

241012G10

Recommended Dilutions:

FC: 0.25 ug per 10⁶ cells in a 100 µl
suspension

Excitation/Emission maxima
wavelengths:

654 nm / 674 nm

Applications

Tested Applications:

FC

Species Specificity:

mouse

Positive Controls:

FC : anti-CD3/CD28 treated mouse splenocytes,

Background Information

CD30 Ligand (CD30L), also named as TNFSF8 or CD153, is a type II transmembrane protein that belongs to the tumor necrosis factor (TNF) superfamily (PMID: 8391931). It is expressed on the surface of activated T cells, B cells, monocytes, macrophages, eosinophils, neutrophils, and mast cells (PMID: 26090498). CD30L interacts with its receptor, CD30, which is a cell surface protein expressed on a small subset of activated T and B lymphocytes, and a variety of lymphoid neoplasms, with the highest expression in classical Hodgkin lymphoma and anaplastic large cell lymphomas (PMID: 28885612). The CD30/CD30L signaling is involved in pleiotropic downstream effects including differentiation, cell survival and death, NFκB activation, and production of cytokines (PMID: 38534788).

Storage

Storage:

Store at 2-8°C. Avoid exposure to light. Stable for one year after shipment.

Storage Buffer:

PBS with 0.09% sodium azide, pH7.3

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

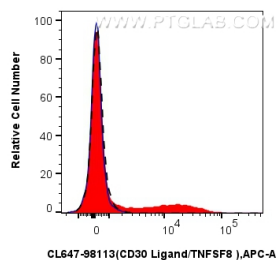
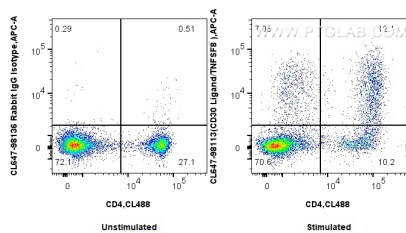
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This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data



1x10⁶ untreated or anti-CD3/CD28 treated mouse splenocytes were surface stained with CoraLite® Plus 488 Anti-Mouse CD4 and 0.25 ug CoraLite® Plus 647 Anti-Mouse CD30 Ligand/TNFSF8 Rabbit RecAb (CL647-98113, Clone: 241012G10). Cells were not fixed.

1x10⁶ anti-CD3/CD28 treated mouse splenocytes were surface stained with 0.25 ug CoraLite® Plus 647 Anti-Mouse CD30 Ligand/TNFSF8 Rabbit RecAb (CL647-98113, Clone: 241012G10) (red) or CoraLite® Plus 647 Rabbit IgG Isotype Control RecAb (CL647-98136, Clone: 240953C9) (blue). 1x10⁶ untreated mouse splenocytes were surface stained with 0.25 ug CoraLite® Plus 647 Anti-Mouse CD30 Ligand/TNFSF8 Rabbit RecAb (CL647-98113, Clone: 241012G10) (black,