

For Research Use Only

CoraLite® Plus 647-conjugated CD86 Recombinant monoclonal antibody

Catalog Number:CL647-83523-4



Basic Information

| | | |
|--|---|---|
| Catalog Number: CL647-83523-4 | GenBank Accession Number: NM_175862 | Purification Method: Protein A purification |
| Source: Rabbit | GeneID (NCBI): 942 | CloneNo.: 240429G12 |
| Isotype: IgG | ENSEMBL Gene ID: ENSG00000114013 | Recommended Dilutions: IF/ICC: 1:50-1:500 |
| Immunogen Catalog Number: EG0966 | UNIPROT ID: P42081 | Excitation/Emission maxima wavelengths: 654 nm / 674 nm |
| | Full Name: CD86 molecule | |
| | Calculated MW: 329 aa, 38 kDa | |
| | Observed MW: 70 kDa | |

Applications

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|---------------------------------------|---|
| Tested Applications: IF/ICC | Positive Controls: IF/ICC : Raji cells, |
| Species Specificity: human | |

Background Information

CD86 (also known as B7.2) is a costimulatory molecule belonging to the immunoglobulin superfamily. Primarily expressed on antigen-presenting cells (APCs), including B cells, dendritic cells, and macrophages, CD86 is the ligand for two proteins at the cell surface of T cells, CD28 antigen and cytotoxic T-lymphocyte-associated protein 4. Binding of CD86 with CD28 antigen is a costimulatory signal for activation of the T-cell. Binding of CD86 with cytotoxic T-lymphocyte-associated protein 4 negatively regulates T-cell activation and diminishes the immune response.

Storage

Storage:
Store at -20°C. Avoid exposure to light. Stable for one year after shipment.
Storage Buffer:
PBS with 50% glycerol, 0.05% Proclin300, 0.5% BSA, pH7.3
Aliquoting is unnecessary for -20°C storage

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

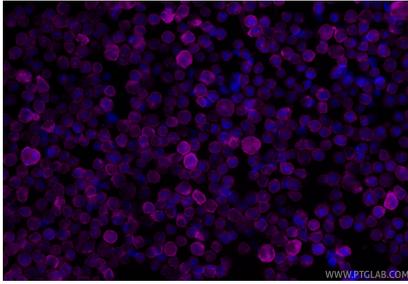
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This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data



Immunofluorescent analysis of (4% PFA) fixed Raji cells using Coralite® Plus 647 CD86 antibody (CL647-83523-4, Clone: 240429G12) at dilution of 1:200.