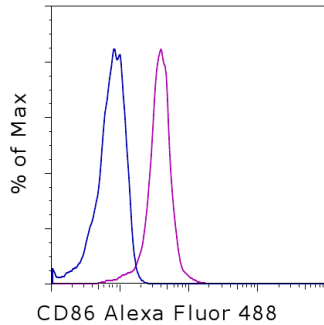


Anti-Human CD86 (B7-2) Alexa Fluor[®] 488

Catalog Number: 53-0869

Also known as: B72, B70

RUO: For Research Use Only. Not for use in diagnostic procedures.



Staining of normal human peripheral blood cells with Mouse IgG2b K Isotype Control Alexa Fluor[®] 488 (cat. 53-4732) (blue histogram) or Anti-Human CD86 (B7-2) Alexa Fluor[®] 488 (purple histogram). Cells in the monocyte gate were used for analysis.

Product Information

Contents: Anti-Human CD86 (B7-2) Alexa Fluor[®] 488

REF **Catalog Number:** 53-0869

Clone: IT2.2

Concentration: 5 μ L (0.25 μ g)/test

Host/Isotype: Mouse IgG2b, kappa

HLDA Workshop: VI B-CD86.8

Formulation: aqueous buffer, 0.09% sodium azide, may contain carrier protein/stabilizer

Temperature Limitation: Store at 2-8°C. Do not freeze. Light-sensitive material.

Batch Code: Refer to vial

Use By: Refer to vial



Description

The IT2.2 monoclonal antibody reacts with human CD86, an ~80 kDa surface receptor also known as B7-2. CD86 and CD80 are members of the B7 family of costimulatory molecules. CD86 is expressed at low levels on B cells, macrophages, and dendritic cells and is upregulated on B cells through a variety of surface stimuli including the BCR complex, CD40 and some cytokine receptors. In addition to CD80 (B7-1), CD86 is a counter-receptor for the T cell surface molecules CD28 and CD152 (CTLA-4). The interaction of CD86 with its ligands plays a critical role in T-B crosstalk, T cell costimulation, autoantibody production and Th2-mediated Ig production. The kinetics of upregulation of CD86 upon stimulation supports its major contribution during the primary phase of an immune response.

Applications Reported

This IT2.2 antibody has been reported for use in flow cytometric analysis.

Applications Tested

This IT2.2 antibody has been pre-titrated and tested by flow cytometric analysis of normal human peripheral blood cells. This can be used at 5 μ L (0.25 μ g) per test. A test is defined as the amount (μ g) of antibody that will stain a cell sample in a final volume of 100 μ L. Cell number should be determined empirically but can range from 10^5 to 10^8 cells/test.

References

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Azuma M, Ito D, Yagita H, Okumura K, Phillips JH, Lanier LL, Somoza C. B70 antigen is a second ligand for CTLA-4 and CD28. Nature. 1993 Nov 4;366(6450):76-9. (IT2.2, FC, IP, PubMed)

Related Products

53-4732 Mouse IgG2b K Isotype Control Alexa Fluor® 488

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