

Anti-Mouse CD86 (B7-2) SAFIRE Purified

Catalog Number :08922-25

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

Product Information

Clone: PO3.1

Format/Conjugate: SAFIRE Purified

Concentration: 1 mg/mL

Reactivity: Mouse

Laser: Not Applicable

Peak Emission: Not Applicable

Peak Excitation: Not Applicable

Filter: Not Applicable

Brightness (1=dim,5=brightest): Not Applicable

Isotype: Rat IgG2b, kappa

Formulation: Phosphate-buffered aqueous solution, pH7.2.

Storage: Product should be kept at 2-8°C.

Applications: FC, FA

Description

The PO3.1 monoclonal antibody specifically reacts with CD86, also known as B7-2, a surface 80 kDa receptor and member of the B7 family. CD86 is a costimulatory molecule, expressed on B and T cells, dendritic cells, astrocytes, macrophages, Langerhans cells, and at a low level in newly explanted B and T lymphocytes. CD86 expression on B lymphocytes is upregulated by B-Cell Receptor complex, CD40 and certain cytokine receptors. CD80 (B7-1) and CD 86 (B7-2) are receptors for CD28 and CTLA-4, on the surface of T lymphocytes, enhancing the interactions between B and T cells.

Preparation & Storage

The product should be stored undiluted at 4°C. Do not freeze. The monoclonal antibody was purified utilizing affinitychromatography.

Application Notes

The antibody has been analyzed for quality through the flow cytometric analysis of the relevant cell type. It is recommended that the reagent be titrated for optimal performance for each application.

References

1.Hathcock, K. S., Laszlo, G., Dickler, H. B., Bradshaw, J., Linsley, P., Hodes, R. J. (1993). Identification of an alternative CTLA-4 ligand costimulatory for T cell activation.;Science,;262(5135), 905-907.

2. Inaba, K., Witmer-Pack, M., Inaba, M., Hathcock, K. S., Sakuta, H., Azuma, M., ... Steinman, R. M. (1994). The tissue distribution of the B7-2 costimulator in mice: abundant expression on dendritic cells in situ and during maturation in vitro.;The Journal of experimental medicine,;180(5), 1849-1860.

3. Hathcock, K. S., Laszlo, G., Pucillo, C., Linsley, P., Hodes, R. J. (1994). Comparative analysis of B7-1 and B7-2 costimulatory ligands: expression and function.;The Journal of experimental medicine,;180(2), 631-640.