

Anti-Rat CD86 (B7-2) FITC

Catalog Number :08913-50

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

Product Information

Clone: 24F

Format/Conjugate: FITC

Concentration: 0.5 mg/mL

Reactivity: Rat

Laser: Blue (488nm)

Peak Emission: 520nm

Peak Excitation: 494nm

Filter: 530/30

Brightness (1=dim,5=brightest): 3

Isotype: Mouse IgG1, kappa

Formulation: Phosphate-buffered aqueous solution, ≤0.09% Sodium azide, may contain carrier protein/stabilizer, pH7.2.

Storage: Product should be kept at 2-8°C and protected from prolonged exposure to light.

Applications: FC

Description

The 24F monoclonal antibody specifically reacts with CD86 (B7-2), a 90 kDA surface receptor present on antigen presenting cells and activated B and T cells. CD86 is a ligand for CD28 and CD152 and plays an essential role in B cell-T cell costimulatory interactions.

The 24F antibody is capable of blocking the co-stimulatory activity of CD86.

Preparation & Storage

The product should be stored undiluted at 4°C and should be protected from prolonged exposure to light. Do not freeze. The monoclonal antibody was purified utilizing affinity chromatography and unreacted dye was removed from the product.

Application Notes

The antibody has been analyzed for quality through the flow cytometric analysis of the relevant cell type. The antibody can be used at less than or equal to 5 µL per test. A test is the amount of antibody required to stain a cell sample in the final volume of 100 µL.

References

1. Maeda, K., Sato, T., Azuma, M., Yagita, H., Okumura, K. (1997). Characterization of rat CD80 and CD86 by molecular cloning and mAb. *International immunology*, 9(7), 993-1000.
2. Damoiseaux, J. G., Yagita, H., Okumura, K., van Breda Vriesman, P. J. (1998). Costimulatory molecules CD80 and CD86 in the rat; tissue distribution and expression by antigen-presenting cells. *Journal of leukocyte biology*, 64(6), 803-809.
3. BLUESTONE, J. (1995). New perspectives of CD28-B7-mediated T cell costimulation. *Immunity*, 2, 555-559.