

PE anti-rat CD86

Catalog # / Size: 1601540 / 200 µg
1601535 / 50 µg

Clone: 24F

Isotype: Mouse IgG1, κ

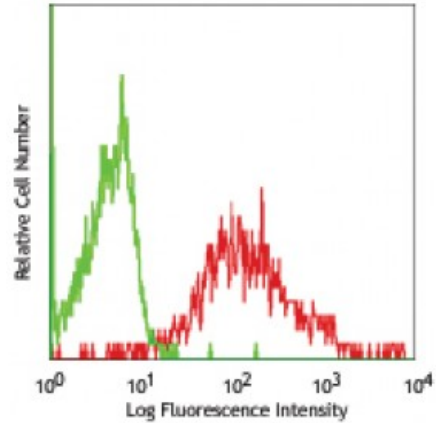
Immunogen: HTLV-1-transformed Lewis-S1 rat T cell line

Reactivity: Rat

Preparation: The antibody was purified by affinity chromatography, and conjugated with PE under optimal conditions. The solution is free of unconjugated PE and unconjugated antibody.

Formulation: Phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide.

Concentration: 0.2



LPS-stimulated (3 days) LOU rat splenocytes stained with 24F PE

Applications:

Applications: Flow Cytometry

Recommended Usage: Each lot of this antibody is quality control tested by immunofluorescent staining with flow cytometric analysis. For flow cytometric staining, the suggested use of this reagent is ≤ 0.25 microg per 10⁶ cells in 100 microL volume. It is recommended that the reagent be titrated for optimal performance for each application.

Application Notes: Additional reported applications (for the relevant formats) include: immunoprecipitation¹⁻³, blocking of costimulation of T cells¹⁻³, and immunohistochemical staining of acetone-fixed frozen sections³. The LEAF™ purified antibody (Endotoxin <0.1 EU/µg, Azide-Free, 0.2 µm filtered) is recommended for functional assays (Cat. No. 200310).

Application References:

1. Maeda, K., *et al.* 1997. *Int. Immunol.* 9:993. (IP, Block)
2. Bluestone, J.A. 1995. *Immunity* 2:555. (IP, Block)
3. Damoiseaux, J.G., *et al.* 1998. *J. Leuk. Biol.* 64:803. (IP, Block, IHC)
4. Zonneveld-Huijssoon E, *et al.* 2012. *Ann Rheum Dis.* [PubMed.](#)
5. Treacy O, *et al.* 2012. *PLoS One.* 7:e42662. [PubMed.](#)
6. Zonneveld-Huijssoon E, *et al.* 2012. *Ann Rheum Dis.* 71:1706. [PubMed.](#)

Description: CD86 is an 80 kD member of the immunoglobulin superfamily also known as B70 or B7-2. It is expressed on antigen presenting cells and activated T and B cells. CD86 is a ligand for CD28 and CD152 (CTLA-4). It is one of the accessory molecules that plays an important role in T cell-APC cell costimulatory interactions. The 24F antibody can block the co-stimulatory activity of CD86.

Antigen References:

1. Barclay, A.N. *et al.* 1997. *The Leukocyte Antigen FactsBook.* Academic Press.
2. Hathcock, K.S., *et al.* 1993. *Science* 262:905.
3. Freeman, G.J., *et al.* 1993. *Science* 262:907.
4. Carreno, B