

# Product Data Sheet

## FITC anti-rat CD86

**Catalog # / Size:** 200305 / 50 µg

**Clone:** 24F

**Isotype:** Mouse IgG1, κ

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

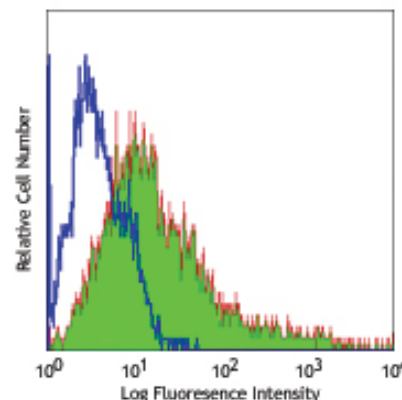
**Reactivity:** Rat

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

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

**Concentration:** 0.5 mg/ml

**Storage:** The antibody solution should be stored undiluted at 4°C and protected from prolonged exposure to light. **Do not freeze.**



ConA-stimulated (3 days) LOU rat splenocytes stained with 24F FITC

## Applications:

**Applications:** FC - Quality tested

**Recommended Usage:** Each lot of this antibody is quality control tested by immunofluorescent staining with flow cytometric analysis. For immunofluorescent staining, the suggested use of this reagent is ≤1.0 µg per million cells in 100 µl 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: immunoprecipitation<sup>1-3</sup>, blocking of costimulation of T cells<sup>1-3</sup>, and immunohistochemical staining of acetone-fixed frozen sections<sup>3</sup>. 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. Li XL, *et al.* 2013. *Mol Cell Neurosci.* 40:7431. 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.M., *et al.* 2002. *Ann. Rev. Immunol.* 20:29.

### Related Products:

Product  
 PE anti-rat CD80  
 FITC Mouse IgG1, κ Isotype Ctrl  
 Cell Staining Buffer  
 FITC anti-rat CD28

Clone  
 3H5  
 MOPC-21  
 JJ319

Application  
 FC  
 FC, ICFC  
 FC, ICC, ICFC  
 FC



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