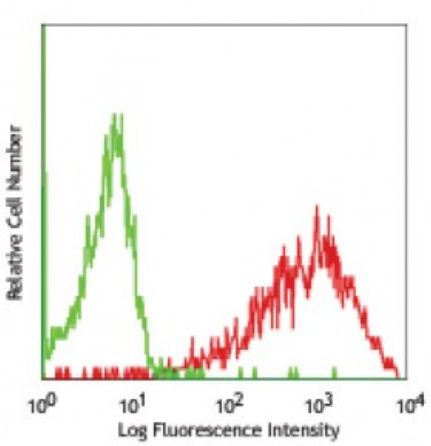
SONY

Product Data Sheet

Biotin anti-rat CD86

Catalog # / Size:	1601515 / 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 biotin under optimal conditions. The solution is free of unconjugated biotin.
Formulation:	Phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide.
Concentration:	0.5



LPS-stimulated (3 days) LOU rat splenocytes stained with biotinylated 24F, followed by SAV-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 ≤1.0 microg per million 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: immunoprecipitation[1-3], blocking of costimulation of T cells[1-3], 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)

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

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