

PE anti-rat CD80

Catalog # / Size: 200205 / 50 µg

Clone: 3H5

Isotype: Mouse IgG1, κ

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

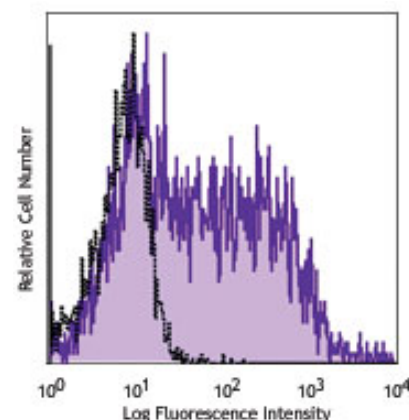
Reactivity: Rat

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 mg/ml

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



LPS-stimulated LOU rat splenocytes (3 days) were stained with CD80 (clone 3H5) PE (filled histogram) or mouse IgG1, κ PE isotype control (open histogram).

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 ≤0.25 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: immunoprecipitation¹⁻³, blocking of ligand binding¹⁻³, and immunohistochemical staining³ of acetone-fixed frozen sections. The LEAF™ purified antibody (Endotoxin <0.1 EU/µg, Azide-Free, 0.2 µm filtered) is recommended for functional assays (Cat. No. 200208).

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. Ho, CH., *et al.* 2007. *J. Virol.* 81:4837. PubMed
5. Ho, C., *et al.* 2009. *Carcinogenesis* 30:1443. PubMed
6. Tracey Q, *et al.* 2012. *PLoS One.* 7:e42662. PubMed.

Description: CD80 is a 60 kD member of the immunoglobulin superfamily also known as B7-1, B7, and BB1. It is expressed on antigen presenting cells and activated T and B cells, and is a ligand for CD28 and CD152 (CTLA-4). CD80/CD28 interactions are important for T and B cell co-stimulation, while CD80/CD152 lead to the inhibition of T cell responses. The 3H5 antibody can block the co-stimulatory activity of CD80.

Antigen References:

1. Barclay, A.N. *et al.* 1997. *The Leukocyte Antigen FactsBook.* Academic Press.
2. Linsley, P.S., *et al.* 1991. *J. Exp. Med.* 174:561.
3. Salomon, B., *et al.* 2001. *Ann. Rev. Immunol.* 19:225.

Related Products:	Product	Clone	Application
	PE anti-rat CD86	24F	FC
	PE Mouse IgG1, κ Isotype Ctrl	MOPC-21	FC, ICFC
	Cell Staining Buffer		FC, ICC, ICFC
	PE anti-rat CD28	JJ319	FC



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