

Biotin anti-mouse/rat/human CD27

Catalog # / Size: 124205 / 50 µg
124206 / 500 µg

Clone: LG.3A10

Isotype: Armenian Hamster IgG

Immunogen: Armenian hamster fibroblast line ARHO12 transfected with mouse CD27 cDNA

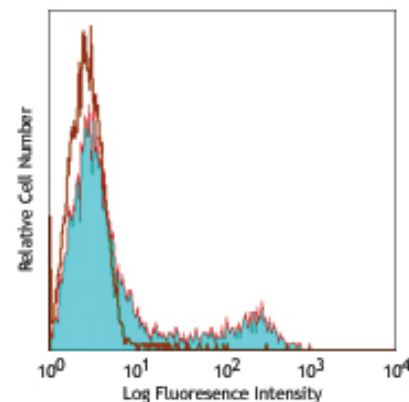
Reactivity: Mouse, Rat, Human

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 mg/ml

Storage: The antibody solution should be stored undiluted at 4°C. **Do not freeze.**



C57BL/6 mouse splenocytes stained with biotinylated LG.3A10, followed by Sav-PE

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 References:

1. Gravestain LA, *et al.* 1995. *Int. Immunol.* 7:551
2. Gravestain LA, *et al.* 1996. *J. Exp. Med.* 184:675
3. Takeda K, *et al.* 2000. *J. Immunol.* 164:1741
4. Welner RS, *et al.* 2009. *J. Immunol.* 183:7768. PubMed

Description: CD27 is also known as S152 and T14. A member of the tumor necrosis factor receptor (TNFR) superfamily, it is a 45 kD protein expressed on peripheral T cells, memory B cells, NK cells, and thymocyte subset. Through its ligand, CD70, CD27 plays a key role in T cell and B cell interactions. Additionally, ligation of CD27 on naïve T cells may be important in their maturation to effector cells.

Antigen References:

1. Hintzen RQ, *et al.* 1994. *Immunol. Today* 15:307.
2. Akiba H, *et al.* 1998. *J. Biol. Chem.* 273:13353.
3. Kobata T, *et al.* 1995. *P. Natl. Acad. Sci. USA* 92:11249.
4. Hendriks J, *et al.* 2000. *Nat. Immunol.* 1:433
5. Hintzen RQ, *et al.* 1994. *Int. Immunol.* 6:477
6. Camerini D, *et al.* 1991. *J. Immunol.* 147:3165

Related Products:	Product	Clone	Application
	APC Streptavidin		FC, ICFC
	FITC Streptavidin		FC, ICFC
	PE Streptavidin		FC, ICFC
	Cell Staining Buffer		FC, ICC, ICFC
	RBC Lysis Buffer (10X)		FC, ICFC
	Biotin Armenian Hamster IgG Isotype Ctrl	HTK888	FC, ICFC
	TruStain fcX™ (anti-mouse CD16/32)	93	FC



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