

LEAF™ Purified anti-mouse/rat/human CD27

Catalog # / Size: 124204 / 500 µg

Clone: LG.3A10

Isotype: Armenian Hamster IgG

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

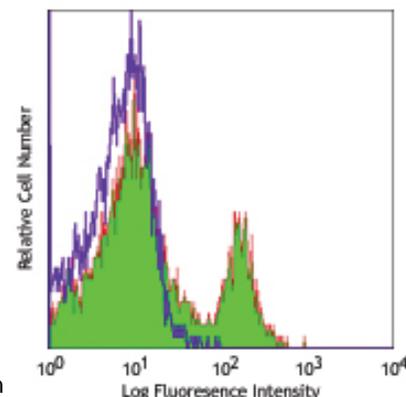
Reactivity: Mouse, Rat, Human

Preparation: The LEAF™ (Low Endotoxin, Azide-Free) antibody was purified by affinity chromatography.

Formulation: 0.2 µm filtered in phosphate-buffered solution, pH 7.2, containing no preservative. Endotoxin level is <0.1 EU/µg of the protein (<0.01 ng/µg of the protein) as determined by the LAL test.

Concentration: 1.0 mg/ml

Storage: The antibody solution should be stored undiluted at 4°C. This LEAF™ solution contains no preservative; handle under aseptic conditions.



C57BL/6 mouse splenocytes stained with LEAF™ purified LG.3A10, followed by anti-Armenian hamster IgG FITC

Applications:

Applications: FC - *Quality tested*
IHC, IP, FA - *Reported in the literature*

Recommended Usage: Each lot of this antibody is quality tested by immunofluorescent staining with flow cytometric analysis. For immunofluorescent staining, the suggested use of this reagent is ≤ 0.5 µg per 10⁶ 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
Biotin Goat anti-hamster (Armenian) IgG	Poly4055	FC, ELISA, ICFC, IHC, IF, WB
FITC Goat anti-hamster (Armenian) IgG	Poly4055	FC, ICFC
Cell Staining Buffer		FC, ICC, ICFC
RBC Lysis Buffer (10X)		FC, ICFC
LEAF™ Purified Armenian Hamster IgG Isotype Ctrl	HTK888	FC, ICFC, WB, IP, ICC, IF, FA



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