

Product Data Sheet

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

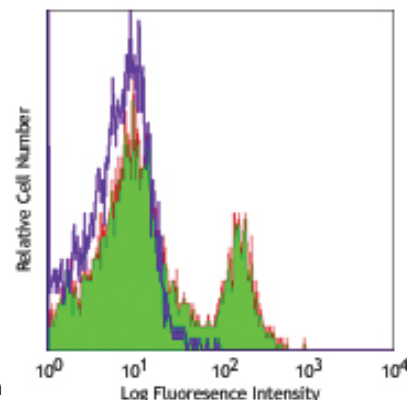
Reactivity: Mouse, Rat, Human

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. Gravestein LA, *et al.* 1995. *Int. Immunol.* 7:551
2. Gravestein 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
Biotin Goat anti-hamster (Armenian) IgG	Poly4055
FITC Goat anti-hamster (Armenian) IgG	Poly4055
Cell Staining Buffer	
RBC Lysis Buffer (10X)	
LEAF™ Purified Armenian Hamster IgG Isotype Ctrl	HTK888

Application
FC, ELISA, ICFC, IHC, IF, WB
FC, ICFC
FC, ICC, ICFC
FC, ICFC
FC, ICFC, WB, IP, ICC, IF, FA



For research use only. Not for diagnostic use. Not for resale. BioLegend will not be held responsible for patent infringement or other violations that may occur with the use of our products.



*These products may be covered by one or more Limited Use Label Licenses (see the BioLegend Catalog or our website, www.biollegend.com/ordering#license). BioLegend products may not be transferred to third parties, resold, modified for resale, or used to manufacture commercial products, reverse engineer functionally similar materials, or to provide a service to third parties without written approval of BioLegend. By use of these products you accept the terms and conditions of all applicable Limited Use Label Licenses. Unless otherwise indicated, these products are for research use only and are not intended for human or animal diagnostic, therapeutic or commercial use.