

PerCP/Cy5.5 anti-mouse/rat/human CD27

Catalog # / Size: 124213 / 25 µg
124214 / 100 µg

Clone: LG.3A10

Isotype: Armenian Hamster IgG

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

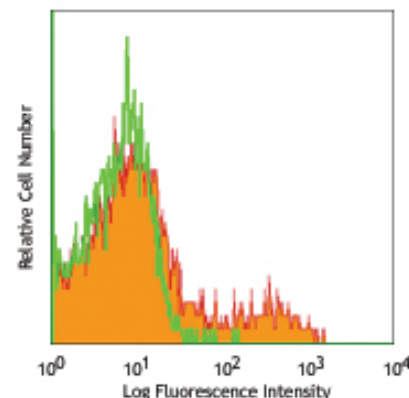
Reactivity: Mouse, Rat, Human

Preparation: The antibody was purified by affinity chromatography, and conjugated with PerCP/Cy5.5 under optimal conditions. The solution is free of unconjugated PerCP/Cy5.5 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.**



C57BL/6 splenocytes stained with LG.3A10 PerCP/Cy5.5

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.

* PerCP/Cy5.5 has a maximum absorption of 482 nm and a maximum emission of 690 nm.

Cy3, Cy5, Cy5.5 and Cy7 are subject to proprietary rights of GE Healthcare Bio-Sciences Corp. and Carnegie Mellon University and made and sold under license from GE Healthcare Bio-Sciences Corp. Sale of this product is licensed for research use only.

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 naive 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
Cell Staining Buffer		FC, ICC, ICFC
RBC Lysis Buffer (10X)		FC, ICFC
PerCP/Cy5.5 Armenian Hamster IgG Isotype Ctrl	HTK888	FC, ICFC
TruStain fcX™ (anti-mouse CD16/32)	93	FC

Clone

HTK888
93

Application

FC, ICC, ICFC
FC, ICFC
FC, ICFC
FC



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