

# Product Data Sheet

## APC anti-mouse/rat/human CD27

**Catalog # / Size:** 124211 / 25 µg  
124212 / 100 µg

**Clone:** LG.3A10

**Isotype:** Armenian Hamster IgG

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

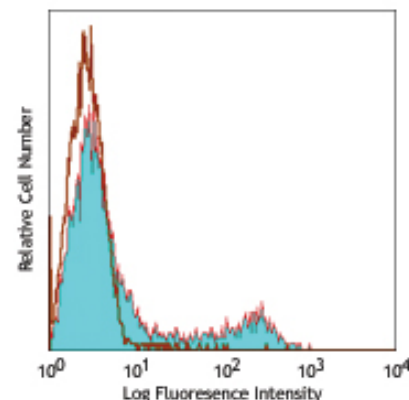
**Reactivity:** Mouse, Rat, Human

**Preparation:** The antibody was purified by affinity chromatography, and conjugated with APC under optimal conditions. The solution is free of unconjugated APC 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 mouse splenocytes stained with LG.3A10 APC

## 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. 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
5. Vicetti Miguel RC, *et al.* 2012. *J. Immunol.* 189:3449. 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**  
 Cell Staining Buffer  
 RBC Lysis Buffer (10X)  
 APC Armenian Hamster IgG Isotype Ctrl  
 TruStain fcX™ (anti-mouse CD16/32)

### Clone

HTK888  
93

### Application

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



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