

## ARG53813 anti-CD27 antibody [LT27] (PE)

Package: 100 tests  
Store at: 4°C

### Summary

Product Description	PE-conjugated Mouse Monoclonal antibody [LT27] recognizes CD27
Tested Reactivity	Hu
Tested Application	FACS
Specificity	The clone LT27 reacts with CD27 (T14), a 50-55 kDa type I transmembrane glycoprotein (member of the TNF-receptor superfamily) expressed on medullary thymocytes, peripheral T lymphocytes, some B lymphocytes and NK cells. HLDA V; WS Code T T-CD27.01
Host	Mouse
Clonality	Monoclonal
Clone	LT27
Isotype	IgG2a
Target Name	CD27
Species	Human
Immunogen	Human peripheral blood lymphocytes
Conjugation	PE
Alternate Names	T-cell activation antigen CD27; Tp55; CD antigen CD27; CD27 antigen; S152. LPFS2; T14; S152; Tumor necrosis factor receptor superfamily member 7; CD27L receptor; TNFRSF7

### Application Instructions

Application table	Application	Dilution
	FACS	20 µl / 10 <sup>6</sup> cells

**Application Note** \* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.

### Properties

Form	Liquid
Purification Note	The purified antibody is conjugated with R-Phycoerythrin (PE) under optimum conditions. The conjugate is purified by size-exclusion chromatography and adjusted for direct use. No reconstitution is necessary.
Buffer	PBS, 15 mM Sodium azide and 0.2% (w/v) high-grade protease free BSA
Preservative	15 mM Sodium azide
Stabilizer	0.2% (w/v) high-grade protease free BSA
Storage instruction	Aliquot and store in the dark at 2-8°C. Keep protected from prolonged exposure to light. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be

gently mixed before use.

Note

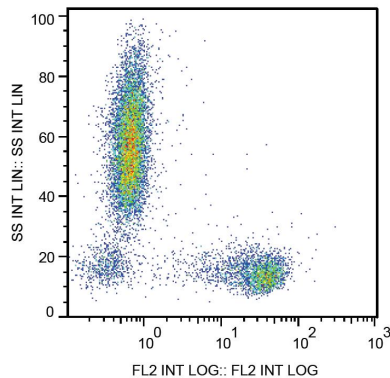
For laboratory research only, not for drug, diagnostic or other use.

## Bioinformation

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Database links	<a href="#">GeneID: 939 Human</a> <a href="#">Swiss-port # P26842 Human</a>
Gene Symbol	CD27
Gene Full Name	CD27 molecule
Background	CD27 is a transmembrane 55 kDa protein of the nerve growth factor-receptor family, expressed as a disulfide-linked homodimer on mature thymocytes, peripheral blood T cells and a subpopulation of B cells. Activation of T cells via TCR-CD3 complex results in upregulation of CD27 expression on the plasma membrane as well as in the release of its soluble 28-32 kDa form, sCD27, detected in the plasma, urine or spinal fluid. This sCD27 is an important prognostic marker of acute and chronic B cell malignancies. RgpA, a cystein proteinase, although activating T cells through the protease-activated receptors (PARs), degrades CD27 and counteracts T cell activation mediated by CD27 and its ligand CD70.
Function	Receptor for CD70/CD27L. May play a role in survival of activated T-cells. May play a role in apoptosis through association with SIVA1. [UniProt]
Research Area	Cancer antibody; Developmental Biology antibody; Immune System antibody
Calculated Mw	29 kDa
PTM	Phosphorylated. O-glycosylated with core 1 or possibly core 8 glycans.

## Images



ARG53813 anti-CD27 antibody [LT27] (PE) FACS image

Flow Cytometry: Human peripheral blood cells stained with ARG53813 anti-CD27 antibody [LT27] (PE).