ARG62793
anti-CD27 antibody [LT27]

Package: 100 µg
Store at: -20°C

Summary

Product Description	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	Un-conjugated
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	2 µg/ml

Application Note

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

Properties

Form	Liquid
Purification	Purified from ascites by precipitation methods and ion exchange chromatography.
Purity	> 95% (by SDS-PAGE)
Buffer	PBS (pH 7.4) and 15 mM Sodium azide
Preservative	15 mM Sodium azide
Concentration	1 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. 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

Database links	GeneID: 939 Human Swiss-port # P26842 Human
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), degradates 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.