

ARG59551 anti-CD27 antibody

Package: 50 µg
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes CD27
Tested Reactivity	Hu
Tested Application	FACS, ICC/IF, IHC-P, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	CD27
Species	Human
Immunogen	Recombinant protein corresponding to A20-R191 of Human CD27.
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	1 - 3 µg/10 ⁶ cells
	ICC/IF	1:200 - 1:1000
	IHC-P	0.5 - 1 µg/ml
	WB	0.1 - 0.5 µg/ml

Application Note IHC-P: Antigen Retrieval: By heat mediation.
* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.

Properties

Form	Liquid
Purification	Affinity purification with immunogen.
Buffer	0.9% NaCl, 0.2% Na ₂ HPO ₄ , 0.05% Sodium azide and 5% BSA.
Preservative	0.05% Sodium azide
Stabilizer	5% BSA
Concentration	0.5 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.

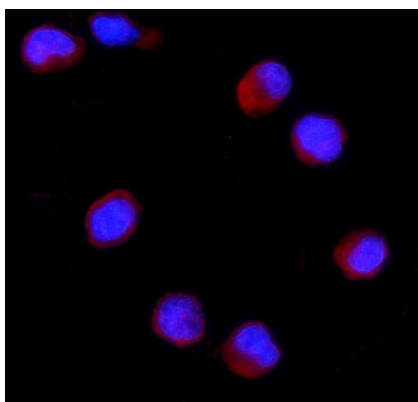
Note

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

Bioinformation

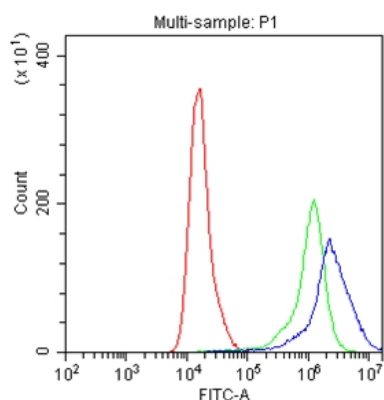
Gene Symbol	CD27
Gene Full Name	CD27 molecule
Background	The protein encoded by this gene is a member of the TNF-receptor superfamily. This receptor is required for generation and long-term maintenance of T cell immunity. It binds to ligand CD70, and plays a key role in regulating B-cell activation and immunoglobulin synthesis. This receptor transduces signals that lead to the activation of NF-kappaB and MAPK8/JNK. Adaptor proteins TRAF2 and TRAF5 have been shown to mediate the signaling process of this receptor. CD27-binding protein (SIVA), a proapoptotic protein, can bind to this receptor and is thought to play an important role in the apoptosis induced by this receptor. [provided by RefSeq, Jul 2008]
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]
Calculated Mw	29 kDa
PTM	Phosphorylated. O-glycosylated with core 1 or possibly core 8 glycans. [UniProt]
Cellular Localization	Membrane; Single-pass type I membrane protein. [UniProt]

Images



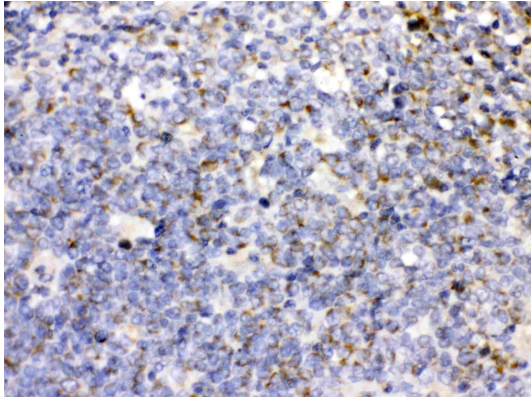
ARG59551 anti-CD27 antibody ICC/IF image

Immunofluorescence: K562 cells were blocked with 10% goat serum and then stained with ARG59551 anti-CD27 antibody (red) at 2 µg/ml dilution, overnight at 4°C. DAPI (blue) for nuclear staining.



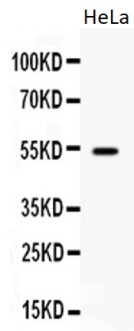
ARG59551 anti-CD27 antibody FACS image

Flow Cytometry: A549 cells were blocked with 10% normal goat serum and stained with ARG59551 anti-CD27 antibody (blue) at 1 µg/10⁶ cells for 30 min at 20°C, followed by DyLight[®]488 labelled secondary antibody. Isotype control antibody (green) was Rabbit IgG (1 µg/10⁶ cells) used under the same conditions. Unlabelled sample (red) was also used as a control.



ARG59551 anti-CD27 antibody IHC-P image

Immunohistochemistry: Paraffin-embedded Human tonsil stained with ARG59551 anti-CD27 antibody at 1 $\mu\text{g}/\text{ml}$ dilution.



ARG59551 anti-CD27 antibody WB image

Western blot: HeLa whole cell lysate stained with ARG59551 anti-CD27 antibody at 0.5 $\mu\text{g}/\text{ml}$ dilution.