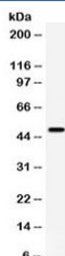


CD27 Antibody (R32373)

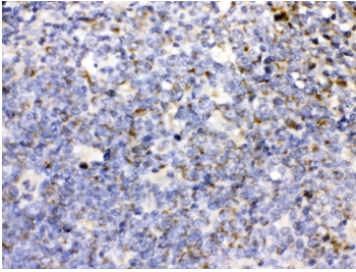
Catalog No.	Formulation	Size
R32373	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

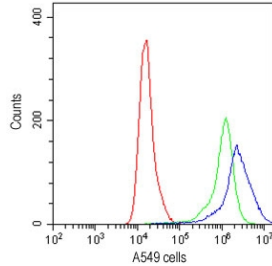
Availability	1-3 business days
Species Reactivity	Human
Format	Antigen affinity purified
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity
Buffer	Lyophilized from 1X PBS with 2.5% BSA, 0.025% sodium azide
UniProt	P26842
Localization	Cytoplasmic, membranous
Applications	Western Blot : 0.1-0.5ug/ml IHC (FFPE) : 0.5-1ug/ml Flow Cytometry : 1-3ug/million cells Immunofluorescence : 2-4ug/ml
Limitations	This CD27 antibody is available for research use only.



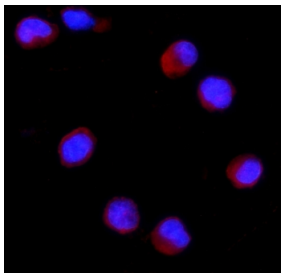
Western blot testing of human HeLa cell lysate with CD27 antibody. Predicted molecular weight ~29/45 kDa (unmodified/glycosylated).



IHC testing of FFPE human tonsil with CD27 antibody. HIER: Boil the paraffin sections in pH 6, 10mM citrate buffer for 20 minutes and allow to cool prior to testing.



Flow cytometry testing of human A549 cells with CD27 antibody at 1ug/million cells (cells blocked with goat sera); Red=cells alone, Green=isotype control, Blue=CD27 antibody.



Immunofluorescent staining of FFPE human K562 cells with CD27 antibody (red) and DAPI (blue). HIER: boil tissue sections in pH6, 10mM citrate buffer, for 20 min and allow to cool before testing.

Description

CD27 is a member of the tumor necrosis factor 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. And 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.

Application Notes

Optimal dilution of the CD27 antibody should be determined by the researcher.

Immunogen

Amino acids A20-R191 of the human protein were used as the immunogen for the CD27 antibody.

Storage

After reconstitution, the CD27 antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.

