

Human CD27 Ligand/TNFSF7 Alexa Fluor® 594-conjugated Antibody

Monoclonal Mouse IgG_{2A} Clone # 832614

Catalog Number: FAB27381T

100 µg

DESCRIPTION

| | |
|---------------------------|---|
| Species Reactivity | Human |
| Specificity | Detects human CD27 Ligand/TNFSF7 in direct ELISAs. |
| Source | Monoclonal Mouse IgG _{2A} Clone # 832614 |
| Purification | Protein A or G purified from hybridoma culture supernatant |
| Immunogen | Mouse myeloma cell line NS0-derived recombinant human CD27 Ligand Gln45-Pro193 Accession # P32970 |
| Conjugate | Alexa Fluor 594 Excitation Wavelength: 590 nm Emission Wavelength: 617 nm |
| Formulation | Supplied 0.2 mg/mL in a saline solution containing BSA and Sodium Azide. *Contains <0.1% Sodium Azide, which is not hazardous at this concentration according to GHS classifications. Refer to the Safety Data Sheet (SDS) for additional information and handling instructions. |

APPLICATIONS

Please Note: Optimal dilutions should be determined by each laboratory for each application. [General Protocols](#) are available in the Technical Information section on our website.

| | Recommended Concentration | Sample |
|-----------------------|----------------------------------|-----------------------|
| Flow Cytometry | 0.25-1 µg/10 ⁶ cells | THP-1 Human Cell Line |

PREPARATION AND STORAGE

| | |
|--------------------------------|--|
| Shipping | The product is shipped with polar packs. Upon receipt, store it immediately at the temperature recommended below. |
| Stability & Storage | Protect from light. Do not freeze. <ul style="list-style-type: none"> 12 months from date of receipt, 2 to 8 °C as supplied. |

BACKGROUND

Human CD27 Ligand (also CD70 and TNFSF7) is a 30 kDa type 2 transmembrane glycoprotein that is a member of the TNF superfamily. It contains a 20 amino acid (aa) cytoplasmic region and a 155 aa extracellular domain that shows multiple β-strands. It is an inducible trimer that occurs on B cells, T cells, and NK cells. It regulates T cell dependant B cell differentiation into plasma cells and likely to promotes clonal expansion of T cells. Human CD27 Ligand extracellular region is 64% aa identical to mouse and rat CD27 Ligand extracellular regions.

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