Human CD27 Ligand/TNFSF7
Alexa Fluor® 405-conjugated Antibody

Monoclonal Mouse IgG_{2A} Clone # 832614

Catalog Number: FAB27381V

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 405 Excitation Wavelength: 405 nm Emission Wavelength: 421 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.** • 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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