OriGene Technologies, Inc.
9620 Medical Center Drive, Ste 200
Rockville, MD 20850, US
Phone: +1-888-267-4436
https://www.origene.com
techsupport@origene.com
EU: info-de@origene.com
CN: techsupport@origene.cn

Product datasheet for CF813205

CD70 Mouse Monoclonal Antibody [Clone ID: OTI7B2]

Product data:

Product Type:	Primary Antibodies
Clone Name:	OTI7B2
Applications:	FC
Recommended Dilution:	FLOW 1:100
Reactivity:	Human
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Full length human recombinant protein of human CD70 (NP_001243) produced in HEK293T cell.
Formulation:	Lyophilized powder (original buffer 1X PBS, pH 7.3, 8% trehalose)
Reconstitution Method:	For reconstitution, we recommend adding 100uL distilled water to a final antibody concentration of about 1 mg/mL. To use this carrier-free antibody for conjugation experiment, we strongly recommend performing another round of desalting process. (OriGene recommends Zeba Spin Desalting Columns, 7KMWCO from Thermo Scientific)
Purification:	Purified from mouse ascites fluids or tissue culture supernatant by affinity chromatography (protein A/G)
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	20.9 kDa
Gene Name:	CD70 molecule
Database Link:	NP_001243 Entrez Gene 970 Human P32970
Background:	Cytokine that binds to CD27. Plays a role in T-cell activation. Induces the proliferation of costimulated T-cells and enhances the generation of cytolytic T-cells. [UniProtKB/Swiss-Prot Function]

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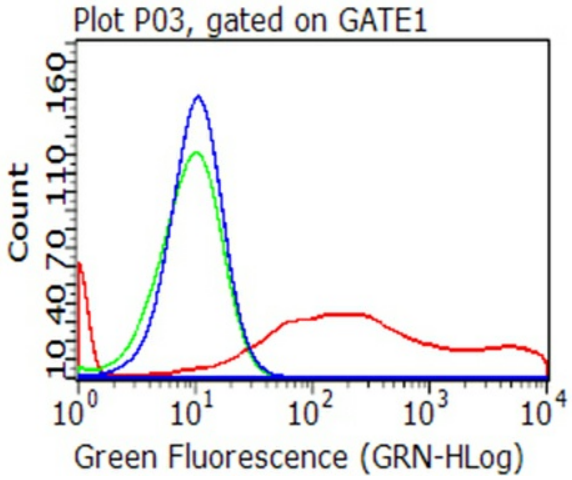
Synonyms: CD27-L; CD27L; CD27LG; LPFS3; TNFSF7; TNLG8A

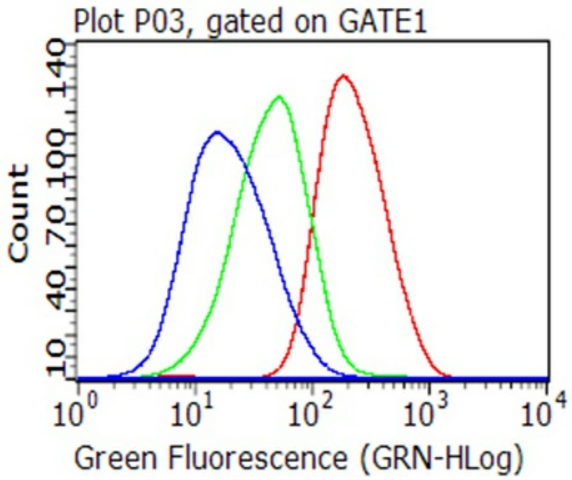
Protein Families: ES Cell Differentiation/IPS, Transmembrane

Protein Pathways: Cytokine-cytokine receptor interaction

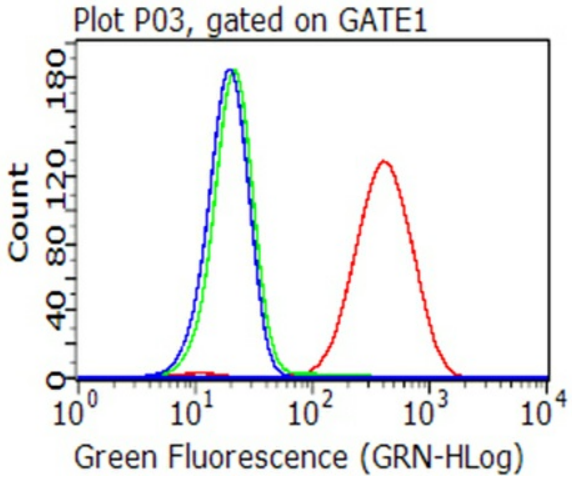
Product images:



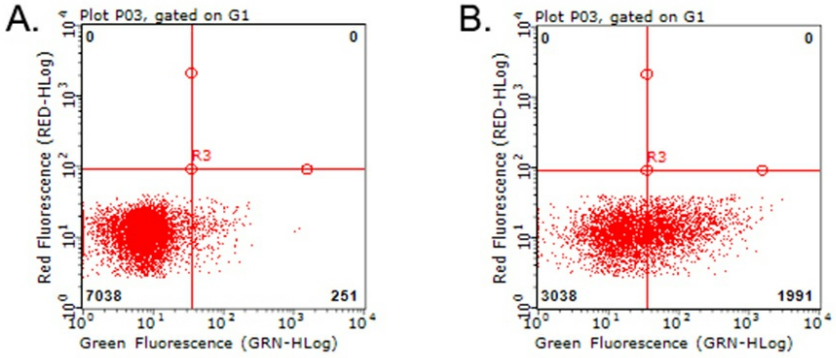
Flow cytometric analysis of living 293T cells transfected with CD70 overexpression plasmid ([RC200410]), Red)/empty vector ([PS100001], Blue) using anti-CD70 antibody ([TA813205]). Cells incubated with a non-specific antibody (Green) were used as isotype control (1:100).



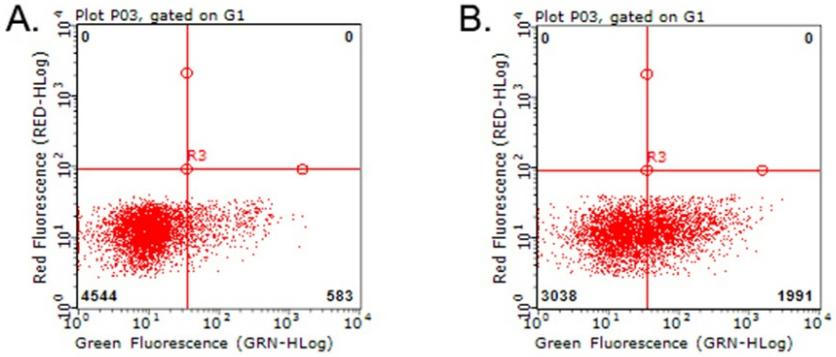
Flow cytometric analysis of living Raji cells, using anti-CD70 antibody ([TA813205], Red), compared to an isotype control (green), and a PBS control (blue) (1:100).



Flow cytometric analysis of living 786-O cells, using anti-CD70 antibody ([TA813205], Red), compared to an isotype control (green), and a PBS control (blue) (1:100).



Flow cytometric analysis of living PBMCs treated with 10ug/ml PHA for 72h (Right)/untreated (Left) using anti-CD70 antibody ([TA813205]) (1:100).



Flow cytometric analysis of living PBMCs treated with 10ug/ml PHA for 72h using anti-CD70 antibody ([TA813205]) (Right). Cells incubated with a non-specific antibody (Left) were used as isotype control (1:100).