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Product datasheet for CF807180

Lymphocyte Activation Gene 3 (LAG3) Mouse Monoclonal Antibody [Clone ID: OTI8G6]

Product data:

Product Type:	Primary Antibodies
Clone Name:	OTI8G6
Applications:	FC, WB
Recommended Dilution:	WB 1:2000
Reactivity:	Human
Host:	Mouse
Isotype:	IgG2b
Clonality:	Monoclonal
Immunogen:	Human recombinant protein fragment corresponding to amino acids 66-332 of human LAG3(NP_002277) produced in E.coli.
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:	54.8 kDa
Gene Name:	lymphocyte activating 3
Database Link:	NP_002277 Entrez Gene 3902 Human P18627

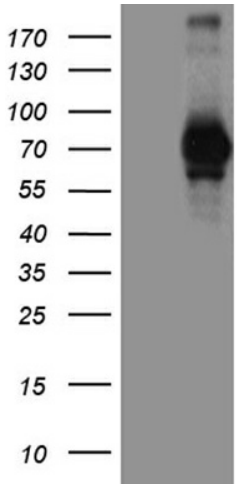
View online »

Background: Lymphocyte-activation protein 3 belongs to Ig superfamily and contains 4 extracellular Ig-like domains. The LAG3 gene contains 8 exons. The sequence data, exon/intron organization, and chromosomal localization all indicate a close relationship of LAG3 to CD4. [provided by RefSeq, Jul 2008]

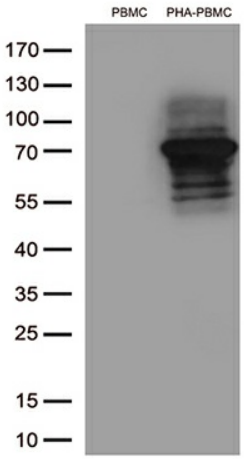
Synonyms: CD223

Protein Families: Transmembrane

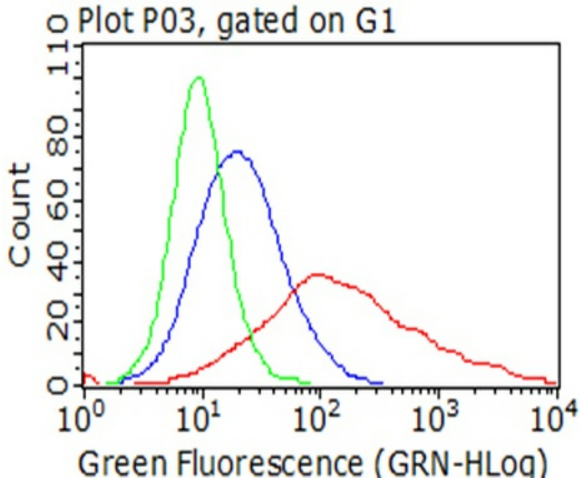
Product images:



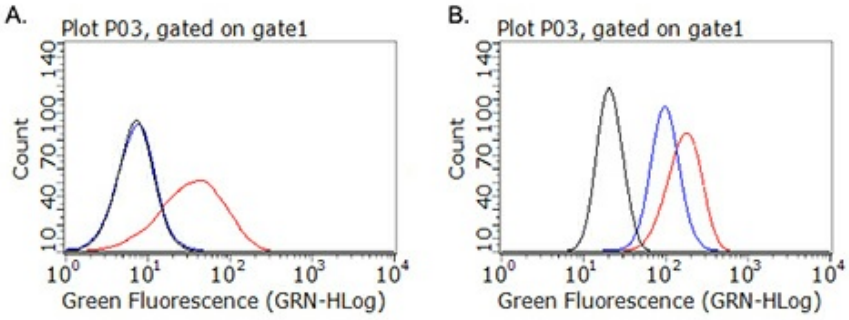
HEK293T cells were transfected with the pCMV6-ENTRY control (Left lane) or pCMV6-ENTRY LAG3 ([RC220269], Right lane) cDNA for 48 hrs and lysed. Equivalent amounts of cell lysates (5 ug per lane) were separated by SDS-PAGE and immunoblotted with anti-LAG3. Positive lysates [LY400828] (100ug) and [LC400828] (20ug) can be purchased separately from OriGene.



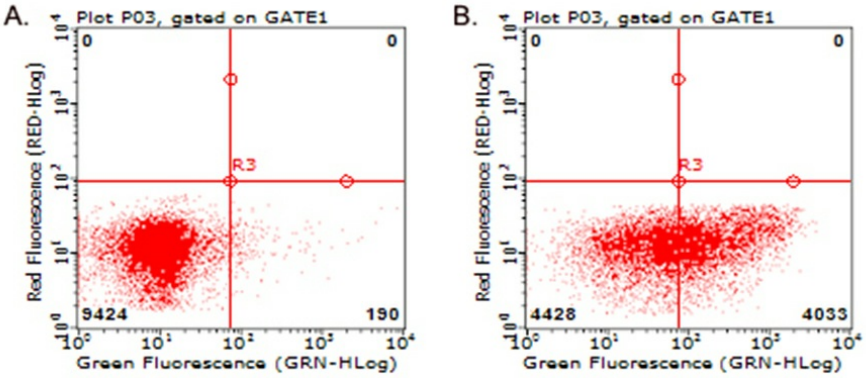
Western blot analysis of extracts (35ug) from 2 cell lines (Human PBMC treated with 10ug/ml PHA for 72h (Right)/untreated (Left)) lysates by using anti-LAG3 monoclonal antibody (1:150).



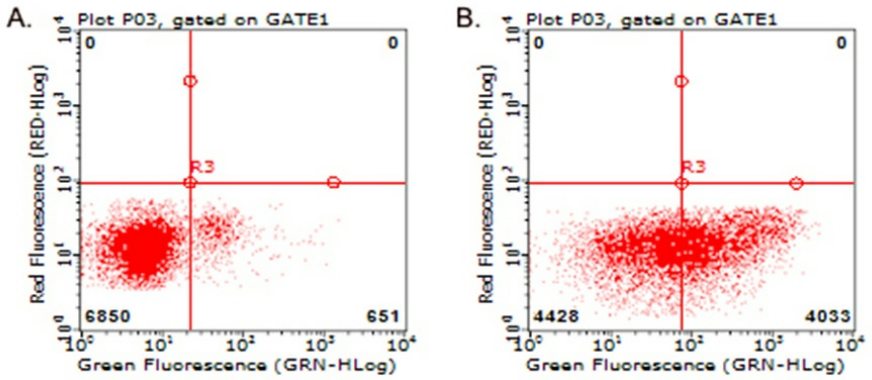
Flow cytometric analysis of living 293T cells transfected with LAG3 overexpression plasmid ([RC220269]), Red)/empty vector ([PS100001], Blue) using anti-LAG3 antibody ([TA807180]). Cells incubated with a non-specific antibody (Green) were used as isotype control. (1;100)



LAG3 stable cell line 4F5 (C) and LAG3 stable cell line 5D3 (D) were immunostained by anti-LAG3 antibody (Origene, [TA807180], Red), compared to an IgG isotype control (Origene, [TA180144], blue), or PBS (black), then analyzed by flow cytometry. (1:100).



Flow cytometric analysis of living PBMCs treated with 10ug/ml PHA for 72h (Right)/untreated (Left) using anti-LAG3 antibody ([TA807180]) (1:100).



Flow cytometric analysis of living PBMCs treated with 10ug/ml PHA for 72h (Right) using anti-LAG3 antibody ([TA807180]). Cells incubated with a non-specific antibody (Left) were used as isotype control (1:100).