

## Product datasheet for **CF813796**

### IL3RA Mouse Monoclonal Antibody [Clone ID: OTI10D4]

#### Product data:

Product Type:	Primary Antibodies
Clone Name:	OTI10D4
Applications:	FC, WB
Recommended Dilution:	WB 1:25-1000, FLOW 1:100
Reactivity:	Human
Host:	Mouse
Isotype:	IgG2b
Clonality:	Monoclonal
Immunogen:	Full length human recombinant protein of human IL3RA (NP_002174) 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:	Shipped at -20°C or with ice packs, Upon delivery store at -20°C. Dilute in PBS(pH7.3) if necessary. Stable for 12 months from date of receipt. Avoid repeated freeze-thaws.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	43.33 kDa
Gene Name:	interleukin 3 receptor subunit alpha
Database Link:	<a href="#">NP_002174</a> <a href="#">Entrez Gene 3563 Human</a> <a href="#">P26951</a>
Background:	This is a receptor for interleukin-3. [UniProtKB/Swiss-Prot Function]



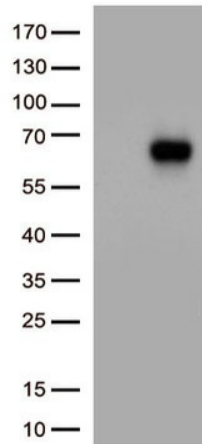
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**Synonyms:** CD123; hIL-3Ra; IL3R; IL3RAY; IL3RX; IL3RY

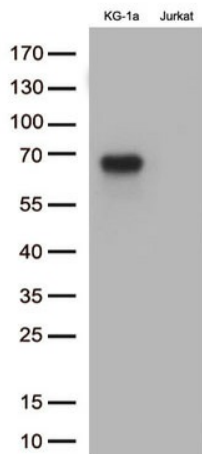
**Protein Families:** Transmembrane

**Protein Pathways:** Apoptosis, Cytokine-cytokine receptor interaction, Hematopoietic cell lineage, Jak-STAT signaling pathway

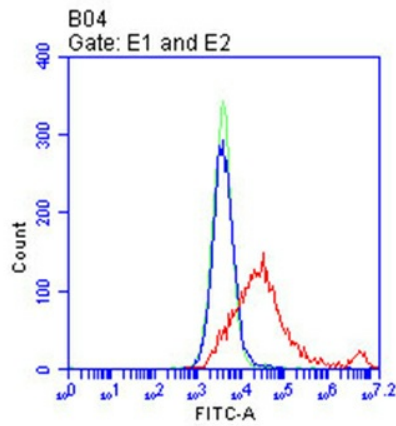
**Product images:**



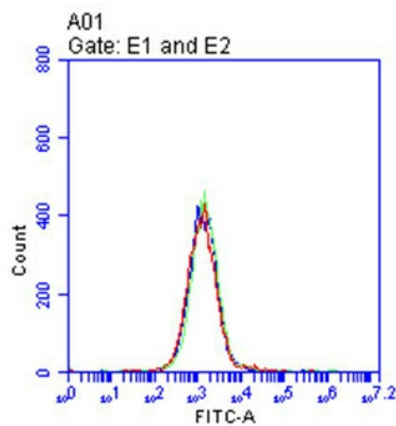
HEK293T cells were transfected with the pCMV6-ENTRY control (Cat# [PS100001], Left lane) or pCMV6-ENTRY IL3RA (Cat# [RC206420], Right lane) cDNA for 48 hrs and lysed. Equivalent amounts of cell lysates (5 ug per lane) were separated by SDS-PAGE and immunoblotted with anti-IL3RA antibody (Cat# [TA813796])(1:1000)



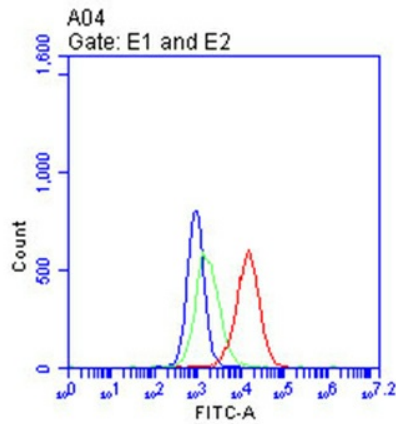
Western blot analysis of extracts (35ug) from 2 cell lines lysates by using anti-IL3RA monoclonal antibody. (1:250)



Flow cytometric analysis of living 293T cells transfected with IL3RA overexpression plasmid ([RC206420]), Red)/empty vector ([PS100001], Blue) using anti-IL3RA antibody ([TA813796]). Cells incubated with a non-specific antibody (Green) were used as isotype control. 1:100



Flow cytometric analysis of living Jurkat cells, using anti-IL3RA antibody([TA813796], Red), compared to an isotype control (green), and a PBS control (blue).(1:100)



Flow cytometric analysis of living KG-1a cells, using anti-IL3RA antibody([TA813796], Red), compared to an isotype control (green), and a PBS control (blue).(1:100)