

## Product datasheet for **CF813303**

### ICOS Mouse Monoclonal Antibody [Clone ID: OTI14C7]

#### Product data:

Product Type:	Primary Antibodies
Clone Name:	OTI14C7
Applications:	FC
Recommended Dilution:	FLOW 1:100~400
Reactivity:	Human
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Full length human recombinant protein of human ICOS (NP_036224) produced in 293F 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:	20.2 kDa
Gene Name:	inducible T cell costimulator
Database Link:	<a href="#">NP_036224</a> <a href="#">Entrez Gene 29851 Human Q9Y6W8</a>
Background:	The protein encoded by this gene belongs to the CD28 and CTLA-4 cell-surface receptor family. It forms homodimers and plays an important role in cell-cell signaling, immune responses, and regulation of cell proliferation. [provided by RefSeq, Jul 2008]



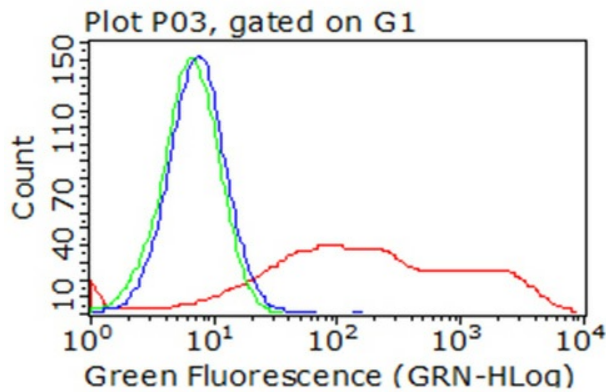
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**Synonyms:** AILIM; CD278; CVID1

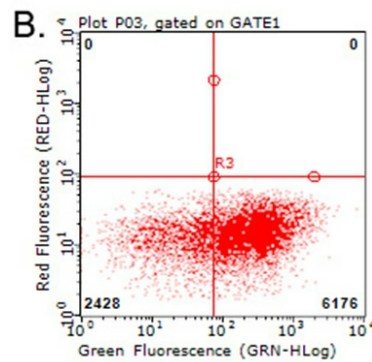
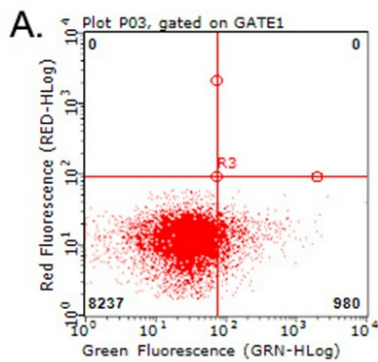
**Protein Families:** Secreted Protein, Transmembrane

**Protein Pathways:** Cell adhesion molecules (CAMs), Primary immunodeficiency, T cell receptor signaling pathway

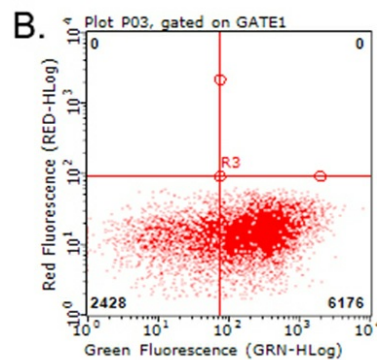
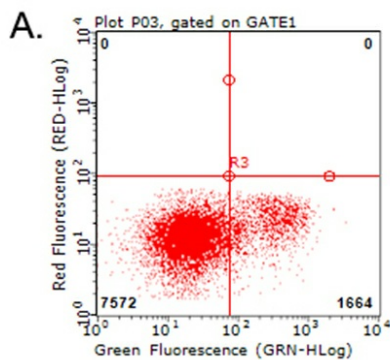
**Product images:**



Flow cytometric analysis of living 293T cells transfected with ICOS overexpression plasmid ([RC207031], Red)/empty vector ([PS100001], Blue) using anti-ICOS antibody ([TA813303]). Cells incubated with a non-specific antibody (Green) were used as isotype control (1:400).



Flow cytometric analysis of living PBMCs treated with 10ug/ml PHA for 72h (Right)/untreated (Left) using anti-ICOS antibody ([TA813303]) (1:100).



Flow cytometric analysis of living PBMCs treated with 10ug/ml PHA for 72h using anti-ICOS antibody ([TA813303]) (Right). Cells incubated with a non-specific antibody (Left) were used as isotype control (1:100).