

## Product datasheet for **CF501378**

### INDOL1 (IDO2) Mouse Monoclonal Antibody [Clone ID: OTI1A4]

#### Product data:

Product Type:	Primary Antibodies
Clone Name:	OTI1A4
Applications:	FC, WB
Recommended Dilution:	WB 1:500, FLOW 1:100
Reactivity:	Human
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Full length human recombinant protein of human IDO2 (NP_919270) 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:	46.9 kDa
Gene Name:	indoleamine 2,3-dioxygenase 2
Database Link:	<a href="#">NP_919270</a> <a href="#">Entrez Gene 169355 Human</a> <a href="#">Q6ZQW0</a>
Background:	Along with the enzymes encoded by the INDO (MIM 147435) and TDO2 (MIM 191070) genes, the enzyme encoded by the INDOL1 gene metabolizes tryptophan in the kynurenine pathway (Ball et al., 2007 [PubMed 17499941]). [supplied by OMIM]



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**Synonyms:** INDOL1

**Protein Pathways:** Metabolic pathways, Tryptophan metabolism

**Product images:**

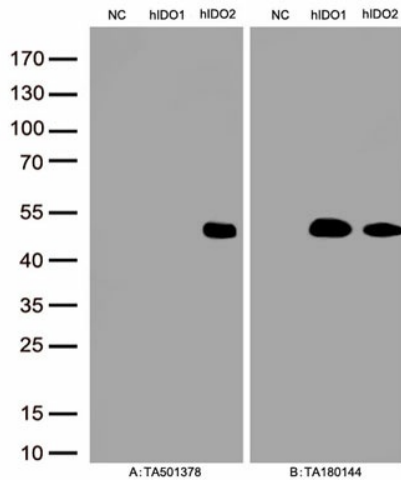
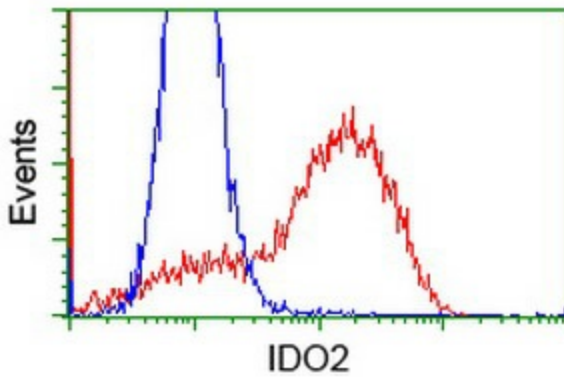
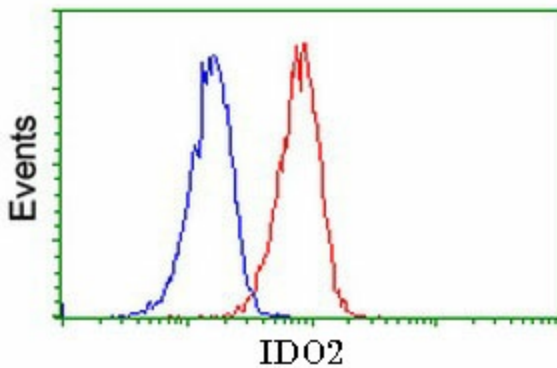


Figure A, Western blot analysis of overexpressed lysates(15ug per lane) from HEK293T cells transfected with empty plasmid ([PS100001], NC), human IDO1 plasmid ([RC206592], hIDO1), human IDO2 plasmid ([RC223337], hIDO2) using anti-IDO2 antibody [TA501378](1:500). Figure B, Western blot analysis of the same samples as figure A with anti-DDK antibody ([TA180144], 1:1000)



HEK293T cells transfected with either [RC223337] overexpress plasmid (Red) or empty vector control plasmid (Blue) were immunostained by anti-IDO2 antibody ([TA501378]), and then analyzed by flow cytometry.



Flow cytometric Analysis of Jurkat cells, using anti-IDO2 antibody ([TA501378]), (Red), compared to a nonspecific negative control antibody, (Blue).