

## Product datasheet for **CF504879**

### TDO2 Mouse Monoclonal Antibody [Clone ID: OTI2A4]

#### Product data:

Product Type:	Primary Antibodies
Clone Name:	OTI2A4
Applications:	WB
Recommended Dilution:	WB 1:2000
Reactivity:	Human
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Full length human recombinant protein of human TDO2(NP_005642) 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:	47.7 kDa
Gene Name:	tryptophan 2,3-dioxygenase
Database Link:	<a href="#">NP_005642</a> <a href="#">Entrez Gene 6999 Human P48775</a>
Background:	Tryptophan 2,3-dioxygenase (EC 1.13.11.11) plays a role in catalyzing the first and rate-limiting step in the kynurenine pathway, the major pathway of tryptophan metabolism. [supplied by OMIM]



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Synonyms: TDO; TO; TPH2; TRPO

Protein Pathways: Metabolic pathways, Tryptophan metabolism

### Product images:

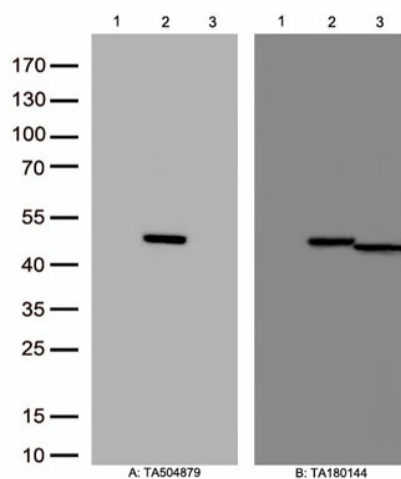


Figure A, Western blot analysis of overexpressed lysates(15ug per lane) from HEK293T cells transfected with empty plasmid ([PS100001], lane 1) , human TDO2 plasmid ([RC206592], lane 2), mouse TDO2 plasmid ([MR206377], lane 3) using anti-TDO2 antibody [TA504879] (1:500). Figure B, Western blot analysis of the same samples as figure A with anti-DDK antibody ([TA180144], 1:1000)