

## Product datasheet for **CF806648**

### INDOL1 (IDO2) Mouse Monoclonal Antibody [Clone ID: OTI19F8]

#### Product data:

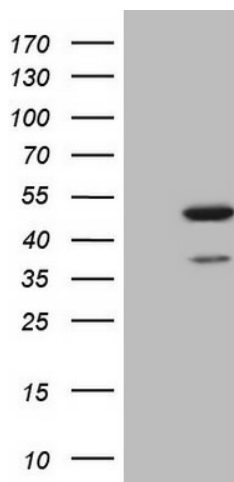
|                        |  |
|------------------------|--|
| Product Type:          | Primary Antibodies   |
| Clone Name:            | OTI19F8  |
| Applications:          | IHC, WB  |
| Recommended Dilution:  | WB 1:2000, IHC 1:150   |
| Reactivity:            | Human  |
| Host:                  | Mouse  |
| Isotype:               | IgG2a  |
| 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.   |
| Gene Name:             | indoleamine 2,3-dioxygenase 2  |
| Database Link:         | <a href="#">NP_919270</a><br><a href="#">Entrez Gene 169355 Human</a><br><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, Feb 2011]  |
| Synonyms:              | INDOL1   |



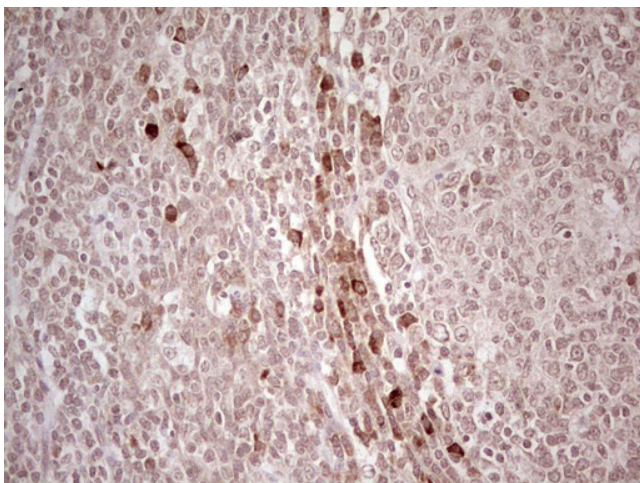
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Protein Pathways: Metabolic pathways, Tryptophan metabolism

### Product images:



HEK293T cells were transfected with the pCMV6-ENTRY control (Left lane) or pCMV6-ENTRY IDO2 (RC223337), 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-IDO2. Positive lysates [LY403659] (100ug) and [LC403659] (20ug) can be purchased separately from OriGene.



Immunohistochemical staining of paraffin-embedded Human tonsil within the normal limits using anti-IDO2 mouse monoclonal antibody. (Heat-induced epitope retrieval by 1mM EDTA in 10mM Tris, pH8.5, 120°C for 3min, [TA806648])