

Name: Purified TDO2 mouse monoclonal antibody, clone 1D1
Product Data Sheet

Catalog: TA504637

Gene Name: Homo sapiens tryptophan 2,3-dioxygenase (TDO2)
 GeneBank accession: NM_005651
 Isotype: IgG1

Reactivity: Human
 Test application: WB
 Clone Name: Clone 1D1

Gene Synonym: TDO; TO; TPH2; TRPO

Guaranteed Applications: WB, IHC

Suggested Dilutions: WB 1:2000, IHC 1:150,

Immunogen: Full length human recombinant protein of human TDO2(NP_005642) produced in HEK293T cell.

Components:

- Purified TDO2 mouse monoclonal antibody, clone 1D1 (TA504637)
- 1 vial of 20ug myc-DDK tagged TDO2 HEK293T over-expression lysate lyophilized in RIPA buffer (LY401726) (Reconstitute into 20ul of 1x SDS sample buffer before loading)

Amount:

TA504637-100 100ul

Concentration: 0.5~1.0 mg/ml (Lot Dependent)

Storage Condition: Shipped at 4C. Upon delivery store at -20C. Dilute in PBS (pH7.3) before use. Stable for 12 months from date of receipt. Avoid repeated freeze-thaws.

Buffer: PBS (PH 7.3) containing 1% BSA, 50% glycerol and 0.02% sodium azide.

Purification:

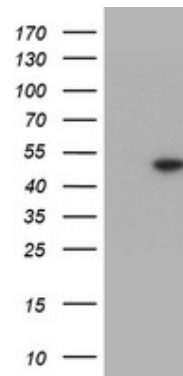
Purified from mouse ascites fluids by affinity chromatography

Background:

Tryptophan 2,3-dioxygenase (EC 1.13.11.11) plays a role in catalyzing the first and rat-limiting step in the kynurenine pathway, the major pathway of tryptophan metabolism.[supplied by OMIM].

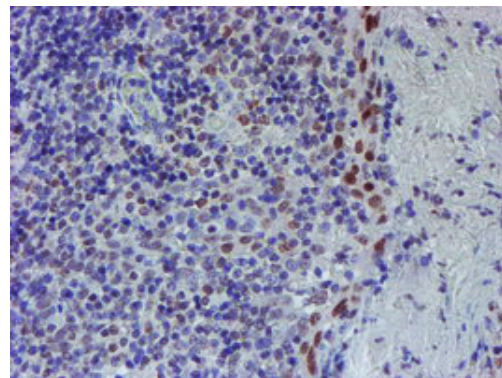
Validation Data:

Western Blot



HEK293T cells were transfected with the pCMV6-ENTRY control (Left lane) or pCMV6-ENTRY TDO2 (RC202777, 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-TDO2.

IHC data



Immunohistochemical staining of paraffin-embedded Human tonsil using anti-TDO2 mouse monoclonal antibody. (TA504637)

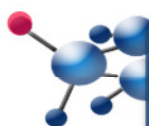
Related Product:

- TrueORF cDNA clones
- VERIFY Tagged Antigen lysates
- HuSH-29 shRNA
- Western Blot reagents
- Anti-myc/DDK tag antibodies

* Peptide sequence of the DDK-tag (Flag®): N-DYKDDDDK-C Flag® is a registered trademark of Sigma-Aldrich

This product is to be used for laboratory only. Not for diagnostic or therapeutic use.

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