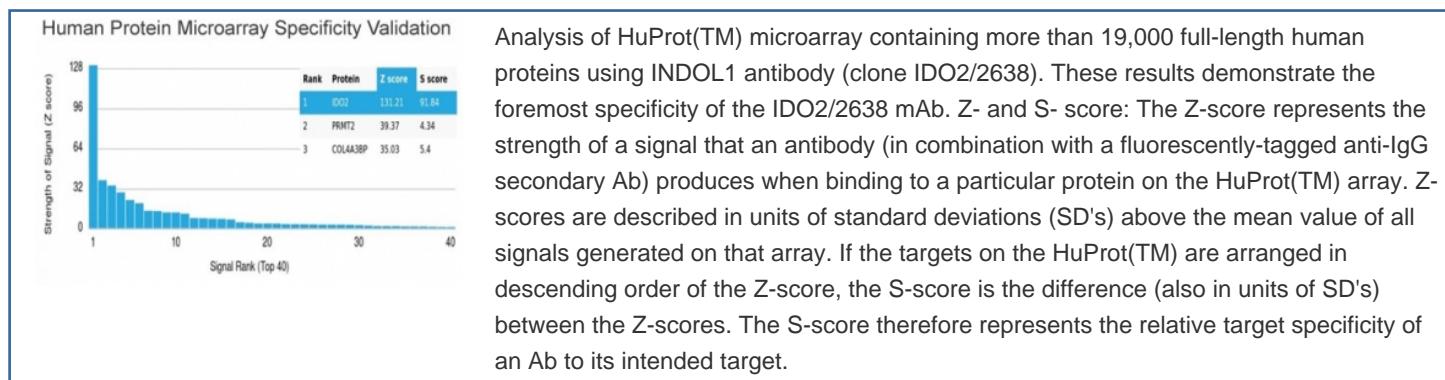


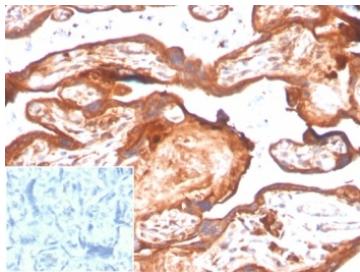
INDOL1 Antibody / IDO2 [clone IDO2/2638] (V9591)

| Catalog No. | Formulation | Size |
|----------------|---|--------|
| V9591-100UG | 0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide | 100 ug |
| V9591-20UG | 0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide | 20 ug |
| V9591SAF-100UG | 1 mg/ml in 1X PBS; BSA free, sodium azide free | 100 ug |

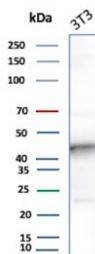
Bulk quote request

| | |
|---------------------------|--|
| Availability | 1-3 business days |
| Species Reactivity | Human |
| Format | Purified |
| Host | Mouse |
| Clonality | Monoclonal (mouse origin) |
| Isotype | Mouse IgG, kappa |
| Clone Name | IDO2/2638 |
| Purity | Protein A/G affinity |
| UniProt | Q6ZQW0 |
| Localization | Cytoplasm |
| Applications | ELISA (order BSA-free Format For Coating) : Immunohistochemistry (FFPE) : 1-2ug/ml Western Blot : 2-4ug/ml |
| Limitations | This INDOL1 antibody is available for research use only. |





IHC staining of FFPE human placental tissue with INDOL1 antibody (clone IDO2/2638) at 2ug/ml in PBS for 30min RT. Negative control inset: PBS instead of primary antibody to control for secondary binding. HIER: boil tissue sections in pH 9 10mM Tris with 1mM EDTA for 20 min and allow to cool before testing.



Western blot testing of mouse NIH 3T3 cell lysate with INDOL1 antibody. Expected molecular weight: ~47 kDa.

Description

IDO2 is a presumptive immunomodulatory gene based on its close structural relationship to IDO1 and its expression in a variety of antigen-presenting cell types. Both IDO1 and IDO2 will catabolize tryptophan to kynurenine. Biochemical studies indicate that both enzymes are similarly robust in catabolic activity, although the in vitro conditions required for IDO2 to manifest the same level of activity differ somewhat from IDO1. However, whether IDO2 is active as a tryptophan catabolizing enzyme in human dendritic cells has been disputed. Further work is needed to conclusively determine that IDO1 and IDO2 are similar in their preference for substrates and reaction pathways to generate product. A non-redundant function for IDO2 relative to IDO1 is suggested by their rather distinct expression patterns and response to extracellular stimuli.

Application Notes

Optimal dilution of the INDOL1 antibody should be determined by the researcher.

Immunogen

A portion of amino acids 200-350 was used as the immunogen for the INDOL1 antibody.

Storage

Aliquot the INDOL1 antibody and store frozen at -20oC or colder. Avoid repeated freeze-thaw cycles.