PE Rabbit anti-Human IDO1 mAb

Catalog NO.: A26647 **1 Publications**

Basic Information

Observed MW

Calculated MW
45kDa

Category
Monoclonal Antibodies

Applications
FC (intra)

Cross-Reactivity
Human

Conjugation
PE. Ex:565nm. Em:574nm.

Clone number
ARC67328

Background

This gene encodes indoleamine 2,3-dioxygenase (IDO) - a heme enzyme that catalyzes the first and rate-limiting step in tryptophan catabolism to N-formyl-kynurenine. This enzyme acts on multiple tryptophan substrates including D-tryptophan, L-tryptophan, 5-hydroxy-tryptophan, tryptamine, and serotonin. This enzyme is thought to play a role in a variety of pathophysiological processes such as antimicrobial and antitumor defense, neuropathology, immunoregulation, and antioxidant activity. Through its expression in dendritic cells, monocytes, and macrophages this enzyme modulates T-cell behavior by its peri-cellular catabolization of the essential amino acid tryptophan.

Recommended Dilutions

FC (intra) 5 µl per 10^6 cells in 100 µl volume

Immunogen Information

Gene ID
3620

Swiss Prot
P14902

Immunogen
Recombinant protein (or fragment).This information is considered to be commercially sensitive.

Synonyms
IDO; INDO; IDO-1

Contact

Product Information

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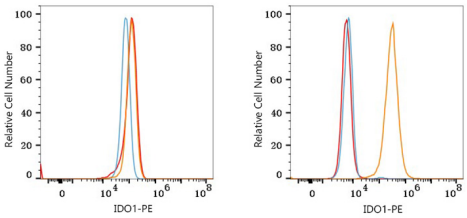
Source
Rabbit

Isotype
IgG

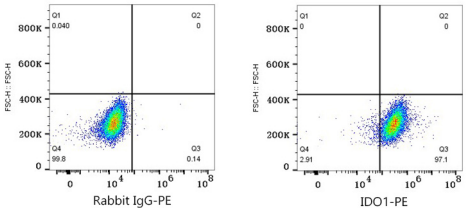
Purification
Affinity purification

Storage
Store at 2-8°C. Avoid freeze.
Buffer: PBS with 0.09% Sodium azide,0.2% BSA,pH7.3.

Validation Data



1X10^6 A549 cells (negative control,left) and A549 (treated with hIFN-γ,right) cells were intracellularly-stained with PE Rabbit anti-Human IDO1 mAb (A26647,5 µl/Test,orange line) or PE Rabbit IgG isotype control (A24172,5 µl/Test,blue line). Non-fluorescently stained cells were used as blank control (red line).



Flow cytometry: 1X10^6 A549 (treated with hIFN-γ,right) cells were intracellularly-stained with PE Rabbit IgG isotype control (A24172,5 µl/Test,left) or PE Rabbit anti-Human IDO1 mAb (A26647,5 µl/Test,right).

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