

PE Rabbit anti-Human IDO1 mAb

Catalog No.: A26647

Basic Information

Observed MW

Calculated MW

45kDa

Category

Primary antibody

Applications

FC (intra)

Cross-Reactivity

Human

CloneNo number

ARC67328-PE

Conjugate

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

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 10⁶ cells in
100 µl volume

Immunogen Information

Gene ID

3620

Swiss Prot

P14902

Immunogen

Recombinant fusion protein containing a sequence corresponding to amino acids 1-403 of human IDO1 (NP_002155.1).

Synonyms

IDO; INDO; IDO-1

Contact

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Product Information

Source

Rabbit

Isotype

IgG

Purification

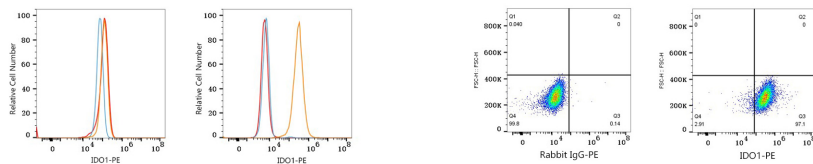
Affinity purification

Storage

Store at 2-8°C. Avoid freeze.

Buffer: PBS with 0.09% Sodium azide, 0.2% BSA, pH7.3.

Validation Data



1X10⁶ 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 μ l/Test, orange line) or PE Rabbit IgG isotype control (A24172, 5 μ l/Test, blue line). Non-fluorescently stained cells were used as blank control (red line).

Flow cytometry: 1X10⁶ A549 (treated with hIFN- γ , right) cells were intracellularly-stained with PE Rabbit IgG isotype control (A24172, 5 μ l/Test, left) or PE Rabbit anti-Human IDO1 mAb (A26647, 5 μ l/Test, right).