

ABflo® 647 Rabbit anti-Human IDO1 mAb

Catalog No.: A26649

1 Publications

Basic Information

Observed MW

Calculated MW

45kDa

Category

Primary antibody

Applications

FC (intra)

Cross-Reactivity

Human

CloneNo number

ARC67328

Conjugate

ABflo® 647. Ex:648nm. Em:664nm.

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

Synonyms

IDO; INDO; IDO-1

Contact

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Product Information

Source

Rabbit

Isotype

IgG

Purification

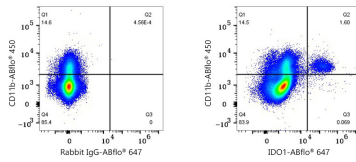
Affinity purification

Storage

Store at 2-8°C. Avoid freeze.

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

Validation Data



Flow cytometry: 1X10⁶ Human PBMC (treated with 1 µg/ml LPS for 24 hours at 37°C) were surface-stained with ABflo® 450 Mouse anti-Human CD11b mAb (A27475, 5 µl/Test), then intracellularly-stained with ABflo® 647 Rabbit IgG isotype control (A22070, 5 µl/Test, left) and ABflo® 647 Rabbit anti-Human IDO1 mAb (A26649, 5 µl/Test, right).