

# ABflo® 488 Rabbit anti-Human IDO1 mAb

Catalog No.: A26648

1 Publications

## Basic Information

### Observed MW

### Calculated MW

45kDa

### Category

Primary antibody

### Applications

FC (intra)

### Cross-Reactivity

Human

### CloneNo number

ARC67328

### Conjugate

ABflo® 488. Ex:491nm. Em:516nm.

## 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<sup>6</sup> 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

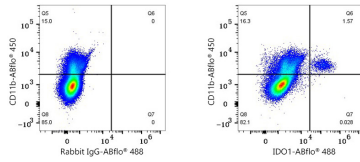
### Storage

Store at 2-8°C. Avoid freeze.

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

## Validation Data

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Flow cytometry:  $1 \times 10^6$  Human PBMC (treated with 1  $\mu\text{g/ml}$  LPS for 24 hours at 37°C) were surface-stained with ABflo® 450 Mouse anti-Human CD11b mAb (A27475, 5  $\mu\text{l/Test}$ ), then intracellularly-stained with ABflo® 488 Rabbit IgG isotype control (A22069, 5  $\mu\text{l/Test}$ , left) and ABflo® 488 Rabbit anti-Human IDO1 mAb (A26648, 5  $\mu\text{l/Test}$ , right).