

# CoraLite® Plus 488-conjugated IBA1 Recombinant antibody

Catalog Number: **CL488-81728**

## Basic Information

**Catalog Number:**

CL488-81728

**Size:**

1000 µg/ml

**Source:**

Rabbit

**Isotype:**

IgG

**Immunogen Catalog Number:**

AG1363

**GenBank Accession Number:**

BC009474

**GeneID (NCBI):**

199

**ENSEMBL Gene ID:**

ENSG00000204472

**UNIPROT ID:**

P55008

**Full Name:**

allograft inflammatory factor 1

**Calculated MW:**

17 kDa

**Observed MW:**

17 kDa

**Purification Method:**

Protein A purification

**CloneNo.:**

4D5

**Recommended Dilutions:**

IF-P 1:50-1:500

**Excitation/Emission maxima  
wavelengths:**

493 nm / 522 nm

## Applications

**Tested Applications:**

IF-P, FC (Intra)

**Species Specificity:**

Human, mouse, rat

**Positive Controls:**

IF-P: rat brain tissue,

## Background Information

IBA1 is a 143 amino acid cytoplasmic, inflammation response scaffold protein. It is constitutively expressed in monocytes and macrophages and is known to be involved in macrophage activation. It is a marker of activated macrophage. Expression of IBA1 is up-regulated in activated microglia following facial nerve axotomy, ischemia, and several brain diseases, thereby implicating it in the activated phenotypes of microglia.

## Storage

**Storage:**

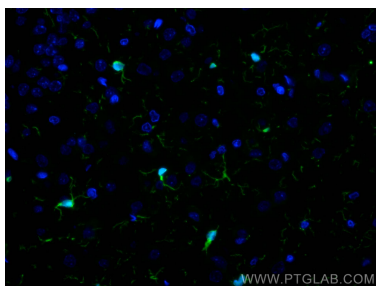
Store at -20°C. Avoid exposure to light. Stable for one year after shipment.

**Storage Buffer:**

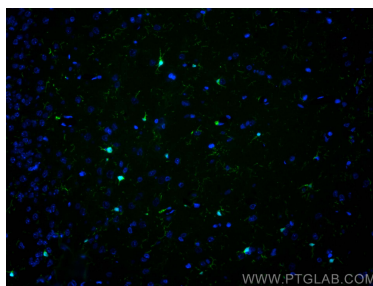
PBS with 50% Glycerol, 0.05% Proclin300, 0.5% BSA, pH 7.3.

Aliquoting is unnecessary for -20°C storage

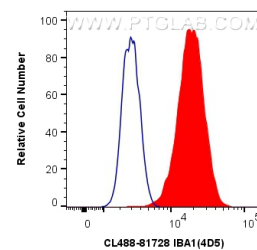
## Selected Validation Data



Immunofluorescent analysis of (4% PFA) fixed rat brain tissue using Coralite® Plus 488 IBA1 antibody (CL488-81728, Clone: 4D5 ) at dilution of 1:200.



Immunofluorescent analysis of (4% PFA) fixed rat brain tissue using Coralite® Plus 488 IBA1 antibody (CL488-81728, Clone: 4D5 ) at dilution of 1:200.



1X10<sup>6</sup> THP-1 cells were intracellularly stained with 0.8 ug Coralite® Plus 488 Anti-Human IBA1 (CL488-81728, Clone:4D5) (red), or 0.8 ug Isotype Control. Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).