For Research Use Only

CoraLite® Plus 488-conjugated IBA1 Recombinant antibody

proteintech®
Antibodies | ELISA kits | Proteins
www.ptglab.com

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 1:50-1:500

Excitation/Emission maxima wavelengths:
493 nm / 522 nm

Applications

Tested Applications:
FC (Intra), IF-P

Species Specificity:
Human, mouse, rat

Positive Controls:

IF : 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.

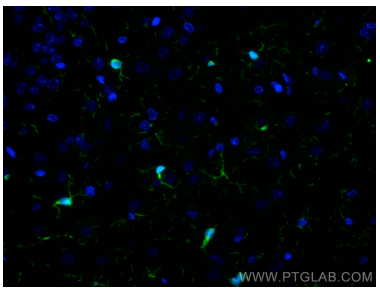
Storage

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

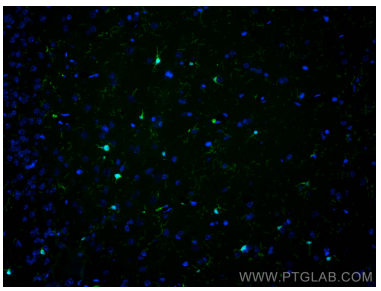
For technical support and original validation data for this product please contact:
T: 4006900926 E: Proteintech-CN@ptglab.com W: ptgcn.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

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.



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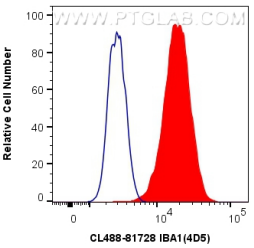

1X10^6 THP-1 cells were intracellularly stained with 0.8 ug CoraLite® Plus 488 Anti-Human IBA1 (CL488-81728, Clone:4D5) (red), or 0.8 ug Isotype Control. Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).