

For Research Use Only

CoraLite®594-conjugated IBA1 Recombinant monoclonal antibody

Catalog Number: CL594-81728

2 Publications



Basic Information

Catalog Number:

CL594-81728

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

FC (Intra): 0.80 ug per 10⁶ cells in a 100 µl suspension

Excitation/Emission maxima wavelengths:

588 nm / 604 nm

Applications

Tested Applications:

IF-P, FC (Intra)

Cited Applications:

IF

Species Specificity:

human, mouse, rat

Cited Species:

mouse

Positive Controls:

IF-P: rat brain tissue,

FC (Intra): THP-1 cells,

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.

Notable Publications

Author	Pubmed ID	Journal	Application
Xuhui Ge	40328251	Neuron	IF
Junjun Xiong	40016338	Cell Death Differ	IF

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, pH7.3

Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:

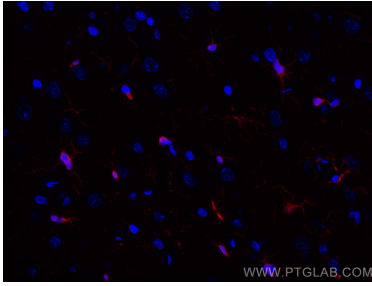
T: 4006900926

E: Proteintech-CN@ptglab.com

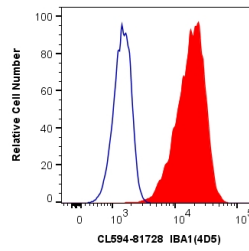
W: ptgcn.com

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Selected Validation Data



Immunofluorescent analysis of (4% PFA) fixed rat brain tissue using CoraLite®594 IBA1 antibody (CL594-81728, Clone: 4D5) at dilution of 1:200.



1X10⁶ THP-1 cells were intracellularly stained with 0.8 ug CoraLite®594 Anti-Human IBA1 (CL594-81728, Clone:4D5) (red), or 0.8 ug Isotype Control. Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer.