

For Research Use Only

# CoraLite®555-conjugated IBA1 Recombinant antibody



Catalog Number:CL555-81728

## Basic Information

<b>Catalog Number:</b> CL555-81728	<b>GenBank Accession Number:</b> BC009474	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 100ul , Concentration: 1000 µg/ml by Nanodrop;	<b>GeneID (NCBI):</b> 199	<b>CloneNo.:</b> 4D5
<b>Source:</b> Rabbit	<b>Full Name:</b> allograft inflammatory factor 1	<b>Recommended Dilutions:</b> IF 1:50-1:500
<b>Isotype:</b> IgG	<b>Calculated MW:</b> 17 kDa	<b>Excitation/Emission maxima wavelengths:</b> 557 nm / 570 nm
<b>Immunogen Catalog Number:</b> AG1363	<b>Observed MW:</b> 17 kDa	

## Applications

<b>Tested Applications:</b> FC (Intra), IF	<b>Positive Controls:</b> IF : rat brain tissue,
<b>Species Specificity:</b> Human, mouse, rat	

## 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

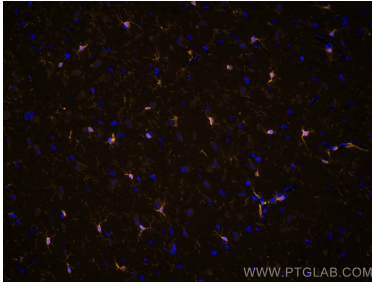
**Storage:**  
Store at -20°C. Avoid exposure to light. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 50% Glycerol, 0.05% Proclin300, 0.5% BSA, pH 7.3.  
Aliquoting is unnecessary for -20°C storage

\*\*\* 20ul sizes contain 0.1% BSA

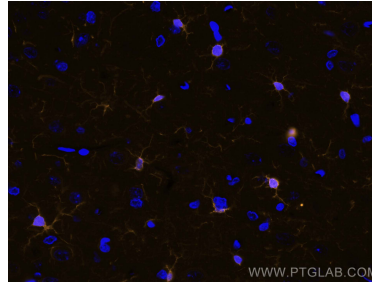
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA) E: proteintech@ptglab.com W: ptglab.com

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

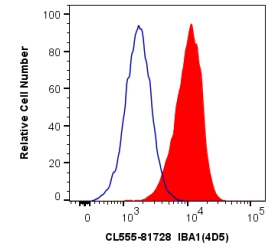
## Selected Validation Data



Immunofluorescent analysis of (4% PFA) fixed rat brain tissue using CoraLite@555 IBA1 antibody (CL555-81728, Clone: 4D5) at dilution of 1:200.



Immunofluorescent analysis of (4% PFA) fixed rat brain tissue using CoraLite@555 IBA1 antibody (CL555-81728, Clone: 4D5) at dilution of 1:200.



$1 \times 10^6$  THP-1 cells were intracellularly stained with 0.8 ug CoraLite@555 Anti-Human IBA1 (CL555-81728, Clone:4D5) (red), or 0.8 ug Isotype Control. Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).