

For Research Use Only

CoraLite®555-conjugated IBA1 Recombinant antibody



Catalog Number:CL555-81728

Basic Information

Catalog Number: CL555-81728	GenBank Accession Number: BC009474	Purification Method: Protein A purification
Size: 1000 µg/ml	GeneID (NCBI): 199	CloneNo.: 4D5
Source: Rabbit	ENSEMBL Gene ID: ENSG00000204472	Recommended Dilutions: IF 1:50-1:500
Isotype: IgG	UNIPROT ID: P55008	Excitation/Emission maxima wavelengths: 557 nm / 570 nm
Immunogen Catalog Number: AG1363	Full Name: allograft inflammatory factor 1	
	Calculated MW: 17 kDa	
	Observed MW: 17 kDa	

Applications

Tested Applications: FC (Intra), IF-P	Positive Controls: IF : rat brain tissue,
Species Specificity: 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

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

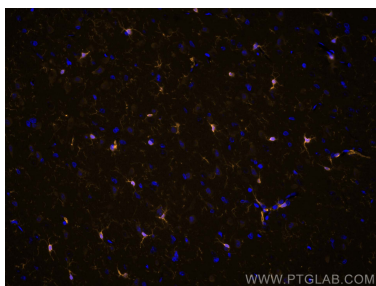
T: 4006900926

E: Proteintech-CN@ptglab.com

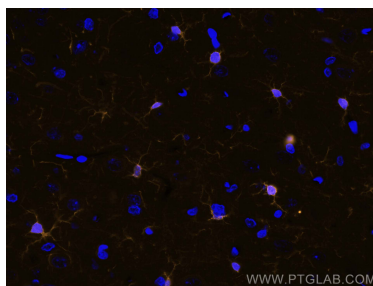
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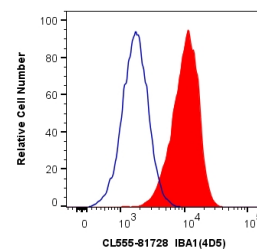
Selected Validation Data



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



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1X10⁶ 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).