

For Research Use Only

Anti-Mouse S100A9 Rabbit Recombinant Antibody, PBS Only

Catalog Number: 98505-5-PBS



Basic Information

Catalog Number: 98505-5-PBS	GenBank Accession Number: NM_001281852.1	Purification Method: Protein A purification
Concentration: 1mg, 3 mg/ml	GeneID (NCBI): 20202	CloneNo.: 250759F10
Source: Rabbit	UNIPROT ID: P31725	
Isotype: IgG	Full Name: S100 calcium binding protein A9 (calgranulin B)	
Immunogen Catalog Number: EG2600	Calculated MW: 13 kDa	

Applications

Tested Applications:
IHC, FC (Intra)

Species Specificity:
mouse

Background Information

S100A9 is a calcium binding protein as a member of the S100 family of proteins. S100 proteins are low molecular weight (9 to 14 kDa) intracellular calcium-binding proteins that control key cellular pathways including regulation of the cytoskeleton, cell migration and adhesion, and host oxidative defense. S100A9 may exist as a homodimer, heterodimer (24 kDa) with an S100A8 partner (S100A8/A9), or as a heterotetramer (28 kDa) with an S100A8 partner (S100A8/A9). S100A8 and S100A9 are found intracellularly in granulocytes, monocytes, and early differentiation stages of macrophages.

Storage

Storage:
Store at -80°C.
The product is shipped with ice packs. Upon receipt, store it immediately at -80°C

Storage Buffer:
PBS only, pH7.3

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

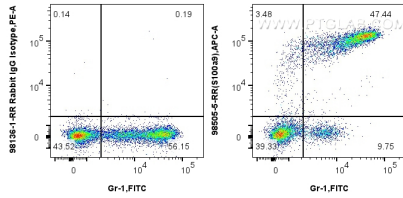
T: 4006900926

E: Proteintech-CN@ptglab.com

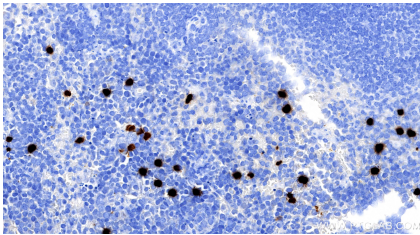
W: ptgcn.com

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

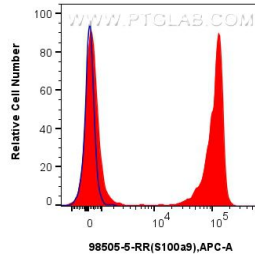
Selected Validation Data



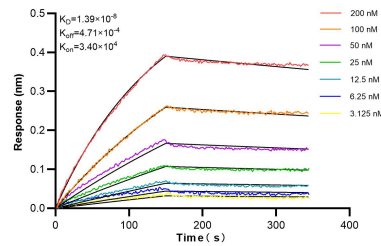
1x10⁶ C57BL/6 bone marrow cells were intracellularly stained with 0.25 ug Anti-Mouse S100a9 Rabbit RecAb (98505-5-RR, Clone:250759F10), or 0.25 ug Rabbit IgG Isotype Control RecAb (98136-1-RR, Clone:240953C9) and CoraLite647-conjugated F(ab')₂ Fragment Donkey Anti-Rabbit IgG (H+L) (SA00014-7). Cells were then stained with FITC Plus Anti-Mouse Ly-6G/Ly-6C (Gr-1). Cells were fixed and permeabilized with Intracellular Flow Cytometry Fixation &



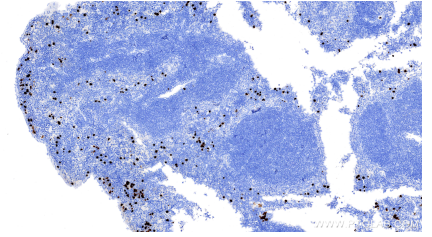
Immunohistochemical analysis of paraffin-embedded mouse spleen tissue slide using 98505-5-RR (S100A9 antibody) at dilution of 1:1000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 98505-5-PBS in a different storage buffer formulation.



1x10⁶ C57BL/6 bone marrow cells were intracellularly stained with 0.25 ug Anti-Mouse S100a9 Rabbit RecAb (98505-5-RR, Clone:250759F10)(red), or 0.25 ug Rabbit IgG Isotype Control RecAb (98136-1-RR, Clone:240953C9)(blue) and CoraLite647-conjugated F(ab')₂ Fragment Donkey Anti-Rabbit IgG (H+L) (SA00014-7). Cells were fixed and permeabilized with Intracellular Flow Cytometry Fixation & Permeabilization Buffer Kit (PF00019). This data was developed using



Biolayer interferometry (BLI) kinetic assays of 98505-5-RR against Mouse S100A9 were performed. The affinity constant is 13.9 nM.



Immunohistochemical analysis of paraffin-embedded mouse spleen tissue slide using 98505-5-RR (S100A9 antibody) at dilution of 1:1000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 98505-5-PBS in a different storage buffer formulation.