

For Research Use Only

NLRP7 Recombinant antibody

Catalog Number: 83996-4-RR



Basic Information

Catalog Number: 83996-4-RR	GenBank Accession Number: BC109125	Purification Method: Protein A purification
Size: 100ul , Concentration: 1000 µg/ml by Nanodrop;	GeneID (NCBI): 199713	CloneNo.: 241120A10
Source: Rabbit	UNIPROT ID: Q8WX94	Recommended Dilutions: IF/ICC 1:125-1:500
Isotype: IgG	Full Name: NLR family, pyrin domain containing 7	
Immunogen Catalog Number: AG27465	Calculated MW: 112 kDa, 115 kDa, 118 kDa	

Applications

Tested Applications: IF/ICC, ELISA	Positive Controls: IF/ICC : K-562 cells,
Species Specificity: human	

Background Information

NLRP7, also called NALP7 or PYPAF3, is a member of the NOD-like receptors (NLR), a family of proteins that plays a crucial role in the innate immune response. NLRP7 has been reported to emerge from NLRP2 gene. Similar to all inflammasomes, NLRP7 contributes to both pro- and an anti-inflammatory processes, depending on whether it functions in an inflammasome-dependent or independent pathway. The function of NLRP7 inflammasome has also been reported to depend on the master regulatory transcription factor protein that controls cellular inflammation, the NF-kB. In addition to its pro- and anti-inflammatory actions, NLRP7 plays a role in restricting intracellular bacterial replication and can also induce inflammasome assembly upon specific stimulation by FSL-1 (diacylated lipoprotein).

Storage

Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

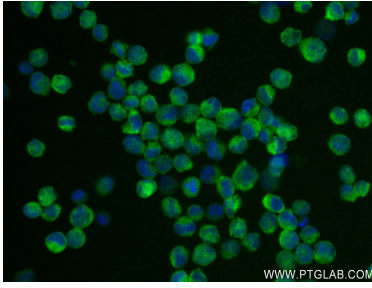
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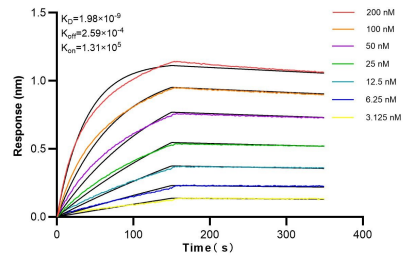
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Selected Validation Data



Immunofluorescent analysis of (4% PFA) fixed K-562 cells using NLRP7 antibody (83996-4-RR, Clone: 241120A10) at dilution of 1:250 and CoraLite@488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2).



Biolayer interferometry (BLI) kinetic assays of 83996-4-RR against Human NLRP7 were performed. The affinity constant is 1.98 nM.