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PRODUCT DATASHEET

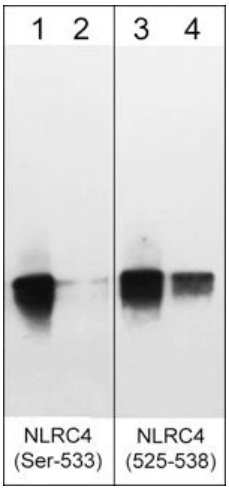
Anti-NLRC4 (Ser-533), Phosphospecific Antibody

Product Details

Available Variants	100 µL (SKU:NM5491)
Conjugate	Unconjugated
Clone	M549
Gene Name	NLRC4
Host Species	Rat
Format	Antigen Affinity Purified
Physical State	Liquid
Buffer	PBS + 1 mg/ml BSA, 0.05% NaN3 and 50% glycerol
Applications	ELISA, WB
Dilution Ranges	WB: 1:500
Species Reactivity	Human, Mouse, Rat
Immunogen	Clone M549 was generated from a phospho-NLRC4 (Ser-533) synthetic peptide (coupled to carrier) corresponding to amino acids surrounding serine 533 in mouse NLRC4. This sequence has high homology to human and rat NLRC4, and is not homologous to sequences in other NLR family members.
Specificity	This antibody antibody detects a 110 kDa* protein on SDS-PAGE immunoblots of PMA-differentiated THP1 human macrophages. In addition, the antibody detects a mouse recombinant phospho-NLRC4 (Ser-533) peptide, but does not detect this peptide after lambda phosphatase treatment.
Molecular Weight	110
Quality Control	Western blots performed on each lot.
Storage	Storage at -20°C is recommended, as aliquots may be taken without freeze/thawing due to presence of 50% glycerol. Stable for at least 1 year at -20°C.

UniProt ID	Q3UP24 UniProt Summary: Key component of inflammasomes that indirectly senses specific proteins from pathogenic bacteria and fungi and responds by assembling an inflammasome complex that promotes caspase-1 activation, cytokine production and macrophage pyroptosis. The NLRC4 inflammasome is activated as part of the innate immune response to a range of intracellular bacteria.
Country of Origin	United States
Shipping	Blue Ice
Expiration	After date of receipt, stable for at least 1 year at -20°C.
Usage Statement	For research use only. Not intended for therapeutic or diagnostic use. Use of all products is subject to our terms and conditions, which can be viewed on our website.
Post Translational Modification Type	Phosphorylated
Post Translational Modification Residue	Ser-533
NCBI Gene ID	268973

Product Images



Western blot image of mouse recombinant NLRC4 (Ser-533) phosphorylated peptide (lanes 1-4). The blot was dephosphorylated with lambda phosphatase (lanes 2 & 4) then the blot was probed with rat monoclonal anti-NLRC4 (Ser-533) phospho-specific (lanes 1 & 2) and rabbit polyclonal anti-NLRC4 (a.a. 525-538) (lanes 3 & 4).

Created on 30. October 2026 | All information without guarantee