



[Go to Product page](#)

Datasheet for ABIN5564287
anti-NLRC3 antibody

Overview

Quantity:	100 µg
Target:	NLRC3
Reactivity:	Mouse
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This NLRC3 antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	Recombinant mouse NLRC3 (card domain).
Clone:	Eowyn-1
Isotype:	IgG1
Specificity:	Detects overexpressed mouse NLRC3. Does not detect human NLRC3. Although NLRC3 (mouse), mAb (Eowyn-1) is strong and specific (see figure), the endogenous protein has not been detected yet with this antibody (using NLRC3 KO versus WT immune cells). NLRC3 protein is probably expressed at very low levels or its translation / stability is triggered by stimuli still to be discovered .
Cross-Reactivity:	Mouse (Murine)
Purity:	>95 % (SDS-PAGE)

Target Details

Target:	NLRC3
Alternative Name:	NLRC3 (NLRC3 Products)
Background:	<p>The novel nucleotide oligomerization domain (NOD)-like receptor (NLR) with a caspase activation and recruitment domain (CARD) 3 (NLRC3) protein belongs to the NLR family of cytosolic pathogen recognition receptors. NLRC3 has the characteristic NOD and leucine-rich repeat configuration with a less well defined CARD. NLRC3 is expressed in T lymphocytes and may be involved in suppression of T cell activation. NLRC3 is a cytoplasmic protein that negatively regulates pro-IL-1beta maturation and inhibits toll-like receptor (TLR)-dependent activation of the transcription factor NF-kappaB. NLRC3 interacts with the TLR signaling adaptor TRAF6 to attenuate Lys63 (K63)-linked ubiquitination of TRAF6 and activation of NF-kappaB. NLRC3 also reduces STING-dependent innate immune activation in response to cytosolic DNA, cyclic di-GMP (c-di-GMP) and DNA viruses. NLRC3 associated with both STING and TBK1, impedes STING-TBK1 interaction and downstream type I interferon production.</p>
UniProt:	Q5DU56

Application Details

Restrictions:	For Research Use only
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Handling

Format:	Liquid
Concentration:	Lot specific
Buffer:	In PBS containing 10 % glycerol and 0.02 % sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C, -20 °C
Storage Comment:	Short Term Storage: +4°C Long Term Storage: -20°C Stable for at least 1 year after receipt when stored at -20°C.
Expiry Date:	12 months