

Product datasheet

Anti-NLRC4 antibody [EPR19733] - BSA and Azide free ab223143

KO VALIDATED Recombinant RabMAb

2 Images

Overview

Product name	Anti-NLRC4 antibody [EPR19733] - BSA and Azide free
Description	Rabbit monoclonal [EPR19733] to NLRC4 - BSA and Azide free
Host species	Rabbit
Tested applications	Suitable for: WB
Species reactivity	Reacts with: Mouse, Human
Immunogen	Recombinant fragment. This information is proprietary to Abcam and/or its suppliers.
Positive control	WB: 293T whole cell lysate transfected with mouse NLRC4; RAW 264.7 overexpressed with ASC whole cell lysate.
General notes	ab223143 is the carrier-free version of ab201792 .

Our **carrier-free** antibodies are typically supplied in a PBS-only formulation, purified and free of BSA, sodium azide and glycerol. The carrier-free buffer and high concentration allow for increased conjugation efficiency.

This conjugation-ready format is designed for use with fluorochromes, metal isotopes, oligonucleotides, and enzymes, which makes them ideal for antibody labelling, functional and cell-based assays, flow-based assays (e.g. mass cytometry) and Multiplex Imaging applications.

Use our **conjugation kits** for antibody conjugates that are ready-to-use in as little as 20 minutes with <1 minute hands-on-time and 100% antibody recovery: available for fluorescent dyes, HRP, biotin and gold.

This product is compatible with the Maxpar[®] Antibody Labeling Kit from Fluidigm, without the need for antibody preparation. Maxpar[®] is a trademark of Fluidigm Canada Inc.

Our RabMAb[®] technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to [RabMAb[®] patents](#).

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at +4°C. Do Not Freeze.

Storage buffer	pH: 7.2 Constituent: PBS
Carrier free	Yes
Purity	Protein A purified
Clonality	Monoclonal
Clone number	EPR19733
Isotype	IgG

Applications

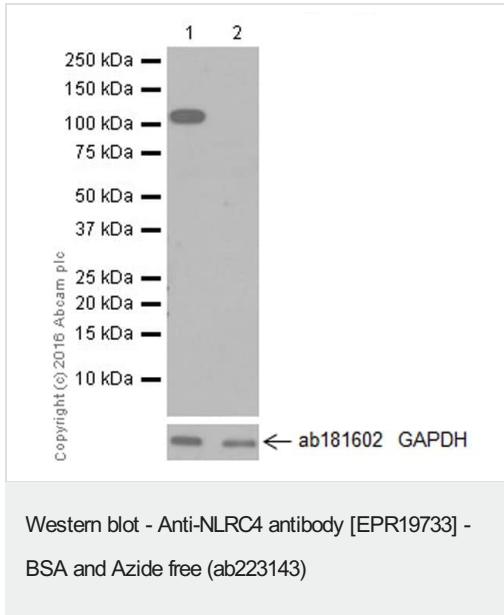
The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab223143 in the following tested applications. The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
WB		Use at an assay dependent concentration. Detects a band of approximately 117 kDa (predicted molecular weight: 117 kDa).

Target

Function	Plays a role in the promotion of apoptosis.
Tissue specificity	Isoform 2 is expressed ubiquitously, although highly expressed in lung and spleen. Isoform 1 is highly expressed in lung, followed by leukocytes especially monocytes, lymph node, colon, brain, prostate, placenta, spleen, bone marrow and fetal liver. Isoform 4 is only detected in brain.
Sequence similarities	Contains 1 CARD domain. Contains 14 LRR (leucine-rich) repeats. Contains 1 NACHT domain.
Cellular localization	Cytoplasm. Cytoplasmic filaments.

Images



All lanes : Anti-NLRC4 antibody [EPR19733] ([ab201792](#)) at 1/1000 dilution

Lane 1 : RAW 264.7 whole cell lysate (Mouse macrophage cell line transformed with Abelson murine leukemia virus) overexpressed with ASC

Lane 2 : RAW 264.7 whole cell lysate NLRC4 KO overexpressed with ASC

Lysates/proteins at 10 µg per lane.

Secondary

All lanes : Goat Anti-Rabbit IgG H&L (HRP) ([ab97051](#)) at 1/100000 dilution

Predicted band size: 117 kDa

Observed band size: 117 kDa

Exposure time: 3 minutes

This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide ([ab201792](#)).

Blocking/Dilution buffer: 5% NFDm/TBST.

NLRC4 regulation involves mechanisms that require ASC (apoptosis-associated speck-like protein containing a CARD), a common adaptor protein for several inflammasomes - PMID: 25775556.

The cell lysates were kindly provided by our Collaborator Dr. Jiahuai Han, Xiamen University

Why choose a recombinant antibody?



Research with confidence
Consistent and reproducible results



Long-term and scalable supply
Recombinant technology



Success from the first experiment
Confirmed specificity



Ethical standards compliant
Animal-free production

Anti-NLRC4 antibody [EPR19733] - BSA and Azide free (ab223143)

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

Our Abpromise to you: Quality guaranteed and expert technical support

- Replacement or refund for products not performing as stated on the datasheet
- Valid for 12 months from date of delivery
- Response to your inquiry within 24 hours
- We provide support in Chinese, English, French, German, Japanese and Spanish
- Extensive multi-media technical resources to help you
- We investigate all quality concerns to ensure our products perform to the highest standards

If the product does not perform as described on this datasheet, we will offer a refund or replacement. For full details of the Abpromise, please visit <https://www.abcam.com/abpromise> or contact our technical team.

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