

Anti-IL1 Receptor I/IL-1R-1 antibody [EPR22198-36] - BSA and Azide free ab238457

Recombinant RabMAb

[1 References](#) [4 Images](#)

Overview

Product name	Anti-IL1 Receptor I/IL-1R-1 antibody [EPR22198-36] - BSA and Azide free
Description	Rabbit monoclonal [EPR22198-36] to IL1 Receptor I/IL-1R-1 - BSA and Azide free
Host species	Rabbit
Tested applications	Suitable for: WB
Species reactivity	Reacts with: Mouse
Immunogen	Recombinant fragment. This information is proprietary to Abcam and/or its suppliers.
Positive control	WB: NIH/3T3, EL4.IL2 and bEnd.3 whole cell lysate.
General notes	ab238457 is the carrier-free version of ab229051 .

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.

This product is a recombinant monoclonal antibody, which offers several advantages including:

- High batch-to-batch consistency and reproducibility
- Improved sensitivity and specificity
- Long-term security of supply
- Animal-free production

For more information [see here](#).

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	EPR22198-36
Isotype	IgG

Applications

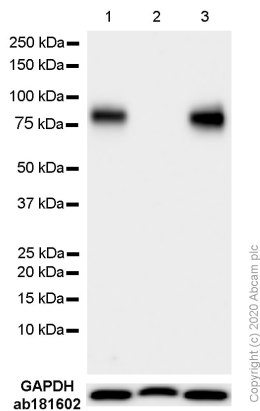
The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab238457 in the following tested applications. The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
WB		Use at an assay dependent concentration. Detects a band of approximately 80, 65 kDa (predicted molecular weight: 65 kDa).

Target

Function	Receptor for interleukin-1 alpha (IL-1A), beta (IL-1B), and interleukin-1 receptor antagonist protein (IL-1RA). Binding to the agonist leads to the activation of NF-kappa-B. Signaling involves formation of a ternary complex containing IL1RAP, TOLLIP, MYD88, and IRAK1 or IRAK2.
Sequence similarities	Belongs to the interleukin-1 receptor family. Contains 3 Ig-like C2-type (immunoglobulin-like) domains. Contains 1 TIR domain.
Cellular localization	Membrane.

Images



Western blot - Anti-IL1 Receptor I/IL-1R-1 antibody [EPR22198-36] - BSA and Azide free (ab238457)

All lanes : Anti-IL1 Receptor I/IL-1R-1 antibody [EPR22198-36] ([ab229051](#)) at 1/1000 dilution

Lane 1 : EL4.IL-2 (Mouse lymphoma T lymphocyte) cell lysate

Lane 2 : bEnd.3 (Mouse brain endothelioma) cell lysate

Lane 3 : NIH/3T3 (Mouse embryonic fibroblast) cell lysate

Lysates/proteins at 10 µg per lane.

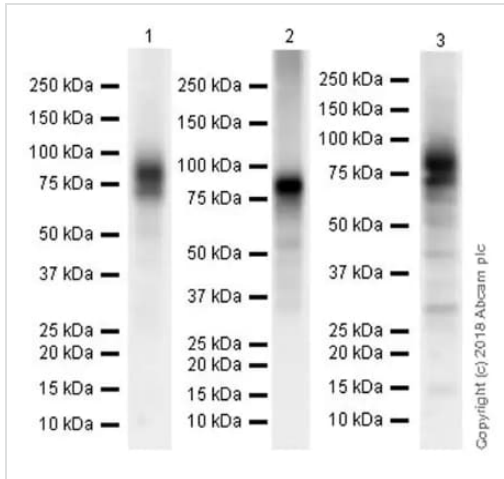
Secondary

All lanes : Goat Anti-Rabbit IgG H&L (HRP) ([ab97051](#)) at 1/20000 dilution

Predicted band size: 65 kDa

Observed band size: 80 kDa

This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide ([ab229051](#)).



Western blot - Anti-IL1 Receptor I/IL-1R-1 antibody [EPR22198-36] - BSA and Azide free (ab238457)

All lanes : Anti-IL1 Receptor I/IL-1R-1 antibody [EPR22198-36] ([ab229051](#)) at 1/1000 dilution

Lane 1 : Mouse lung lysate

Lane 2 : EL4.IL-2 (mouse lymphoma T lymphocyte cell line) whole cell lysate

Lane 3 : bEnd.3 (mouse brain endothelioma cell line) whole cell lysate

Lysates/proteins at 20 µg per lane.

Secondary

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

Predicted band size: 65 kDa

Observed band size: 65,80 kDa

This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide ([ab229051](#)).

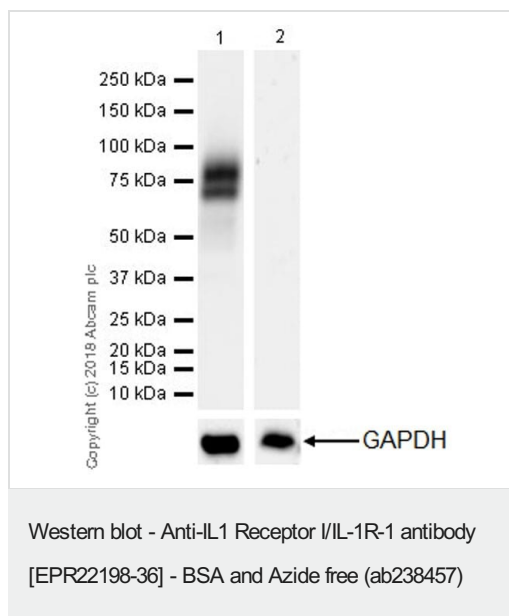
Blocking and dilution buffer: 5% NFDM/TBST.

Exposure times.

Lane 1: 48 seconds, Lane 2: 15 seconds, Lane 3: 114 seconds.

The 80 kDa band represents the membrane form, while the 65 kDa band is the soluble form (PMID: 17324958, PMID: 28450382).

This blot was developed using a high sensitivity ECL substrate.



All lanes : Anti-IL1 Receptor I/IL-1R-1 antibody [EPR22198-36] ([ab229051](#)) at 1/1000 dilution

Lane 1 : NIH/3T3 (mouse embryo fibroblast cell line) whole cell lysate

Lane 2 : B16-F10 (mouse melanoma mixture of spindle-shaped and epithelial-like cells) whole cell lysate

Lysates/proteins at 20 µg per lane.

Secondary

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

Predicted band size: 65 kDa

Observed band size: 65,80 kDa

Blocking and dilution buffer: 5% NFDM/TBST .

Exposure times.

Lane 1: 37 seconds, Lane 2: 3 minutes.

The 80 kDa band represents the membrane form, while the 65 kDa band is the soluble form (PMID: 17324958, PMID: 28450382).

Negative control: B16-F10 (PMID: 29445180).

This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide ([ab229051](#)).

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-IL1 Receptor I/IL-1R-1 antibody [EPR22198-36]

- BSA and Azide free (ab238457)

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

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