

Product datasheet

Anti-TLR8 antibody [EPR22848-74] - BSA and Azide free ab260002

Recombinant RabMAb

[3 Images](#)

Overview

| | |
|----------------------------|--|
| Product name | Anti-TLR8 antibody [EPR22848-74] - BSA and Azide free |
| Description | Rabbit monoclonal [EPR22848-74] to TLR8 - BSA and Azide free |
| Host species | Rabbit |
| Tested applications | Suitable for: WB, IHC-P Unsuitable for: Flow Cyt, ICC/IF or IP |
| Species reactivity | Reacts with: Human |
| Immunogen | Synthetic peptide. This information is proprietary to Abcam and/or its suppliers. |
| Positive control | WB: THP-1 treated with 12-O-Tetradecanoylphorbol-13-acetate (TPA) then with hIFN γ , whole cell lysate IHC-P: Human spleen and B-cell lymphoma tissues. |
| General notes | ab260002 is the carrier-free version of ab228962 . |

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 | EPR22848-74 |
| Isotype | IgG |

Applications

The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab260002 in the following tested applications. The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

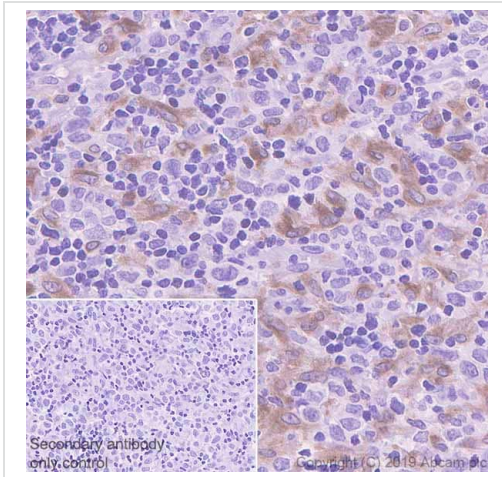
| Application | Abreviews | Notes |
|-------------|-----------|---|
| WB | | Use at an assay dependent concentration. Predicted molecular weight: 120 kDa. |
| IHC-P | | Use at an assay dependent concentration. Perform heat mediated antigen retrieval with Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol. |

Application notes Is unsuitable for Flow Cyt, ICC/IF or IP.

Target

| | |
|------------------------------|--|
| Function | Key component of innate and adaptive immunity. TLRs (Toll-like receptors) control host immune response against pathogens through recognition of molecular patterns specific of microorganisms. Acts via MYD88 and TRAF6, leading to NF-kappa-B activation, cytokine secretion and the inflammatory response. |
| Tissue specificity | Detected in brain, heart, lung, liver, placenta, in monocytes, and at lower levels in CD11c+ immature dendritic cells. |
| Sequence similarities | Belongs to the Toll-like receptor family. Contains 23 LRR (leucine-rich) repeats. Contains 1 LRRCT domain. Contains 1 TIR domain. |
| Cellular localization | Membrane. |

Images



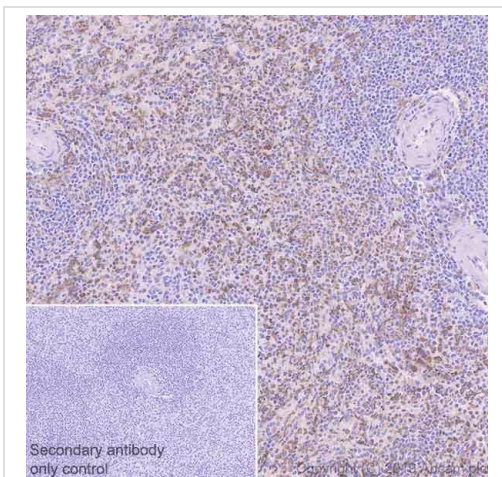
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-TLR8 antibody [EPR22848-74] - BSA and Azide free (ab260002)

Immunohistochemical analysis of paraffin-embedded human B-cell lymphoma tissue labeling TLR8 with [ab228962](#) at 1/100 dilution followed by a ready to use Rabbit specific IHC polymer detection kit HRP/DAB ([ab209101](#)). Cytoplasmic staining on human B-cell lymphoma (PMID: 20800061) is observed. The section was incubated with [ab228962](#) for 15 mins at RT. The immunostaining staining was performed on a Leica Biosystems BOND[®] RX instrument. Counterstained with hematoxylin.

Secondary antibody only control: Secondary antibody is a ready to use Rabbit specific IHC polymer detection kit HRP/DAB ([ab209101](#)).

Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0, epitope retrieval solution 2) for 20 mins.

This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide ([ab228962](#)).



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-TLR8 antibody [EPR22848-74] - BSA and Azide free (ab260002)

Immunohistochemical analysis of paraffin-embedded human spleen tissue labeling TLR8 with [ab228962](#) at 1/100 dilution followed by a ready to use Rabbit specific IHC polymer detection kit HRP/DAB ([ab209101](#)). Positive staining on human spleen (PMID: 20811154) is observed. The section was incubated with [ab228962](#) for 15 mins at RT. The immunostaining staining was performed on a Leica Biosystems BOND[®] RX instrument. Counterstained with hematoxylin.

Secondary antibody only control: Secondary antibody is a ready to use Rabbit specific IHC polymer detection kit HRP/DAB ([ab209101](#)).

Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0, epitope retrieval solution 2) for 20 mins.

This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide ([ab228962](#)).

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

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

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