

Product datasheet

Anti-TLR8 antibody [44C143] ab85859

[3 References](#) [3 Images](#)

Overview

Product name	Anti-TLR8 antibody [44C143]
Description	Mouse monoclonal [44C143] to TLR8
Host species	Mouse
Tested applications	Suitable for: WB, IHC-P, Flow Cyt (Intra)
Species reactivity	Reacts with: Human
Immunogen	Synthetic peptide corresponding to Human TLR8 aa 750-850 conjugated to keyhole limpet haemocyanin. Database link: Q9NR97
Positive control	IHC-P: Human spleen tissue. Flow Cyt (Intra): Ramos cells. WB: 293 transfected with human TLR8.
General notes	<p>The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.</p> <p>If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&As</p>

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.
Storage buffer	Preservative: 0.005% Sodium azide Constituents: PBS, 0.05% BSA
Purity	Protein G purified
Clonality	Monoclonal
Clone number	44C143
Isotype	IgG1
Light chain type	kappa

Applications

The Abpromise guarantee

Our **Abpromise guarantee** covers the use of ab85859 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 a concentration of 1 - 3 µg/ml. Predicted molecular weight: 120 kDa.
IHC-P		Use a concentration of 5 µg/ml.
Flow Cyt (Intra)		Use 0.5µg for 10 ⁶ cells. ab170190 - Mouse monoclonal IgG1, is suitable for use as an isotype control with this antibody.

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.

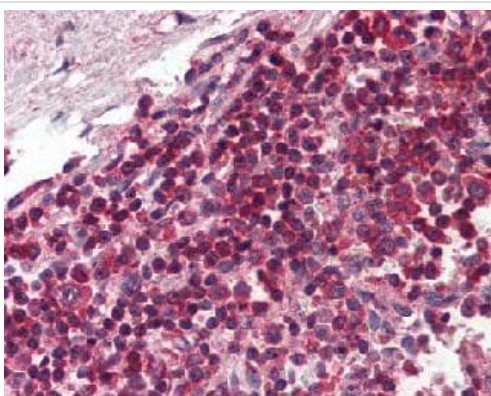
Sequence similarities

Belongs to the Toll-like receptor family.
Contains 23 LRR (leucine-rich) repeats.
Contains 1 LRRCT domain.
Contains 1 TIR domain.

Cellular localization

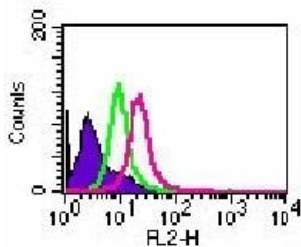
Membrane.

Images



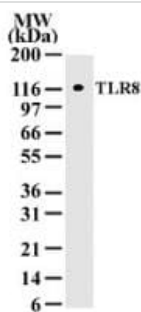
ab85859 at 5 µg/ml staining TLR8 in formalin fixed and paraffin embedded human spleen tissue

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-TLR8 antibody [44C143] (ab85859)



Flow Cytometry (Intracellular) - Anti-TLR8 antibody
[44C143] (ab85859)

ab85859 at 0.5 μ g in 1x10⁶ Ramos cells Shaded histogram represents Ramos cells without antibody; green represents isotype control; purple represents TLR8 antibody.



Western blot - Anti-TLR8 antibody [44C143]
(ab85859)

Anti-TLR8 antibody [44C143] (ab85859) at 2 μ g/ml + 293 cell lysate transfected with Human TLR8

Predicted band size: 120 kDa

Observed band size: 120 kDa

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

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