

## Product datasheet

# Anti-TLR2 antibody [6C2] ab11864

★★★★★ 1 Abreviews 3 References

### Overview

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<b>Product name</b>	Anti-TLR2 antibody [6C2]
<b>Description</b>	Rat monoclonal [6C2] to TLR2
<b>Host species</b>	Rat
<b>Tested applications</b>	<b>Suitable for:</b> IP, ICC/IF, Flow Cyt <b>Unsuitable for:</b> WB
<b>Species reactivity</b>	<b>Reacts with:</b> Mouse
<b>Immunogen</b>	CHO cells expressing mouse TLR2.
<b>General notes</b>	<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&amp;As</p>

### Properties

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<b>Form</b>	Liquid
<b>Storage instructions</b>	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.
<b>Storage buffer</b>	Preservative: 0.02% Sodium azide Constituents: PBS, 0.1% BSA
<b>Purity</b>	Protein A purified
<b>Purification notes</b>	Before use in biological assays the product should be filter sterilised. Depending on the working concentration, it may need to be dialysed against tissue culture medium to remove the sodium azide added.
<b>Clonality</b>	Monoclonal
<b>Clone number</b>	6C2
<b>Isotype</b>	IgG2b

### Applications

## The Abpromise guarantee

Our [Abpromise guarantee](#) covers the use of ab11864 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
IP		Use at an assay dependent concentration.
ICC/IF	★★★★★ (1)	Use at an assay dependent concentration.
Flow Cyt		Use at an assay dependent concentration. <a href="#">ab18536</a> - Rat monoclonal IgG2b, is suitable for use as an isotype control with this antibody.

## Application notes

Is unsuitable for WB.

## Target

### Function

Cooperates with LY96 to mediate the innate immune response to bacterial lipoproteins and other microbial cell wall components. Cooperates with TLR1 to mediate the innate immune response to bacterial lipoproteins or lipopeptides. Acts via MYD88 and TRAF6, leading to NF-kappa-B activation, cytokine secretion and the inflammatory response. May also promote apoptosis in response to lipoproteins. Recognizes mycoplasmal macrophage-activating lipopeptide-2kD (MALP-2), soluble tuberculosis factor (STF), phenol-soluble modulin (PSM) and B.burgdorferi outer surface protein A lipoprotein (OspA-L) cooperatively with TLR6.

### Tissue specificity

Highly expressed in peripheral blood leukocytes, in particular in monocytes, in bone marrow, lymph node and in spleen. Also detected in lung and in fetal liver. Levels are low in other tissues.

### Sequence similarities

Belongs to the Toll-like receptor family.  
Contains 14 LRR (leucine-rich) repeats.  
Contains 1 TIR domain.

### Post-translational modifications

Glycosylation of Asn-442 is critical for secretion of the N-terminal ectodomain of TLR2.

### Cellular localization

Membrane.

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

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