

## Product datasheet

# Anti-TLR2 antibody [TLR2.45] (Biotin) ab72359

### Overview

<b>Product name</b>	Anti-TLR2 antibody [TLR2.45] (Biotin)
<b>Description</b>	Mouse monoclonal [TLR2.45] to TLR2 (Biotin)
<b>Conjugation</b>	Biotin
<b>Tested applications</b>	<b>Suitable for:</b> Flow Cyt, ICC/IF
<b>Species reactivity</b>	<b>Reacts with:</b> Human
<b>Immunogen</b>	Tissue/ cell preparation (Human) - Ba/F3 cells which stably express tagged TLR2

### Properties

<b>Form</b>	Liquid
<b>Storage instructions</b>	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Store at -20°C or -80°C. Avoid freeze / thaw cycle.
<b>Storage buffer</b>	Preservative: 0.02% Sodium Azide Constituents: 0.1% BSA, PBS
<b>Purity</b>	IgG fraction
<b>Clonality</b>	Monoclonal
<b>Clone number</b>	TLR2.45
<b>Isotype</b>	IgG1

### Applications

Our [Abpromise guarantee](#) covers the use of **ab72359** 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
Flow Cyt		1/50. <a href="#">ab18434</a> -Mouse monoclonal IgG1, is suitable for use as an isotype control with this antibody.
ICC/IF		1/50.

### Target

<b>Function</b>	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 modulins (PSM) and B.burgdorferi outer surface protein A lipoprotein (OspA-L) cooperatively with TLR6.
<b>Tissue specificity</b>	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.
<b>Sequence similarities</b>	Belongs to the Toll-like receptor family. Contains 14 LRR (leucine-rich) repeats. Contains 1 TIR domain.
<b>Post-translational modifications</b>	Glycosylation of Asn-442 is critical for secretion of the N-terminal ectodomain of TLR2.
<b>Cellular localization</b>	Membrane.

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