

Product datasheet

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

Overview

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

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Store at -20°C or -80°C. Avoid freeze / thaw cycle.
Storage buffer	Preservative: 0.02% Sodium Azide Constituents: 0.1% BSA, PBS
Purity	IgG fraction
Clonality	Monoclonal
Clone number	TLR2.45
Isotype	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. ab18434 - Mouse monoclonal IgG1, is suitable for use as an isotype control with this antibody.

Application	Abreviews	Notes
ICC/IF		1/50.

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.

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