

Product datasheet

Anti-TLR2 antibody [11G7] (FITC) ab114070

1 References

Overview

Product name	Anti-TLR2 antibody [11G7] (FITC)
Description	Mouse monoclonal [11G7] to TLR2 (FITC)
Host species	Mouse
Conjugation	FITC. Ex: 493nm, Em: 528nm
Tested applications	Suitable for: IP, ELISA, Flow Cyt
Species reactivity	Reacts with: Human
Immunogen	Human TLR2.
General notes	Avoid freeze/thaw cycles.

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at +4°C.
Storage buffer	Preservative: 0.02% Sodium azide Constituents: 99% PBS, BSA
Purity	Protein G purified
Clonality	Monoclonal
Clone number	11G7
Isotype	IgG1

Applications

Our [Abpromise guarantee](#) covers the use of **ab114070** 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.
ELISA		Use at an assay dependent concentration.

Application	Abreviews	Notes
Flow Cyt		Use 1µg for 10 ⁶ cells. ab91356 -Mouse monoclonal IgG1, is suitable for use as an isotype control with this antibody.

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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