Mouse TLR11 Alexa Fluor® 350-conjugated Antibody

Monoclonal Rat IgG_{2B} Clone # 786404

Catalog Number: IC7640U

100 µg

DESCRIPTION

Species Reactivity	Mouse
Specificity	Detects mouse TLR11 in direct ELISAs.
Source	Monoclonal Rat IgG_{2B} Clone # 786404
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	*E. coli*-derived recombinant mouse TLR11 Thr209-Gln325 Accession # Q6R5P0
Conjugate	Alexa Fluor 350 Excitation Wavelength: 346 nm Emission Wavelength: 442 nm
Formulation	Supplied 0.2 mg/mL in a saline solution containing BSA and Sodium Azide. See Certificate of Analysis for details. *Contains <0.1% Sodium Azide, which is not hazardous at this concentration according to GHS classifications. Refer to the Safety Data Sheet (SDS) for additional information and handling instructions.

APPLICATIONS

Please Note: *Optimal dilutions should be determined by each laboratory for each application. General Protocols are available in the Technical Information section on our website.*

	Recommended Concentration	Sample
Intracellular Staining by Flow Cytometry	0.25-1 µg/10^6 cells	RAW 264.7 mouse monocyte/macrophage cell line fixed with paraformaldehyde and permeabilized with saponin

PREPARATION AND STORAGE

Shipping	The product is shipped with polar packs. Upon receipt, store it immediately at the temperature recommended below.
Stability & Storage	**Protect from light. Do not freeze.** ● 12 months from date of receipt, 2 to 8 °C as supplied.

BACKGROUND

TLR11 is a type I transmembrane receptor of the Toll-like receptor family that is primarily expressed in epithelial cells, but also in dendritic cells and macrophages. The 926 amino acid (aa) mouse TLR11 transcript encodes a 30 aa signal sequence, a 691 aa extracellular domain with 10 leucine-rich repeats and 9 potential N-glycosylation sites, a 21 aa transmembrane domain, and a 184 aa cytoplasmic domain with a TIR domain. Within the region used as an immunogen, mouse and rat TLR11 share 86% aa sequence identity. Human TLR11 is a pseudogene that is not expressed. TLR11 resides in the endoplasmic reticulum (ER), interacts with the multispan ER protein UNC93B1, recognizes profilin-like proteins on Toxoplasma gondii and other intracellular parasites, and activates dendritic cell IL-12 production.

PRODUCT SPECIFIC NOTICES

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