

# Product datasheet

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ARG59502 anti-TLR8 antibody

Package: 100 μl Store at: -20°C

### **Summary**

Product Description Rabbit Polyclonal antibody recognizes TLR8

Tested Reactivity Hu, Ms, Rat

Tested Application ICC/IF, IHC-P, WB

Host Rabbit

**Clonality** Polyclonal

Isotype IgG

Target Name TLR8

Species Human

Immunogen Recombinant fusion protein corresponding to aa. 849-1041 of Human TLR8 (NP\_619542.1).

Conjugation Un-conjugated

Alternate Names CD288; CD antigen CD288; Toll-like receptor 8

## **Application Instructions**

Predict Reactivity Note Human

Application table

Application	Dilution
ICC/IF	1:50 - 1:200
IHC-P	1:50 - 1:200

WB 1:500 - 1:2000

Application Note \* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations

should be determined by the scientist.

Positive Control Mouse liver
Observed Size 115 kDa

### **Properties**

Form Liquid

Purification Affinity purified.

Buffer PBS (pH 7.3), 0.02% Sodium azide and 50% Glycerol.

Preservative 0.02% Sodium azide

Stabilizer 50% Glycerol

Storage instruction For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot

and store at -20°C. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.

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### Bioinformation

Gene Symbol TLR8

Gene Full Name toll-like receptor 8

Background The protein encoded by this gene is a member of the Toll-like receptor (TLR) family which plays a

fundamental role in pathogen recognition and activation of innate immunity. TLRs are highly conserved from Drosophila to humans and share structural and functional similarities. They recognize pathogen-associated molecular patterns (PAMPs) that are expressed on infectious agents, and mediate the production of cytokines necessary for the development of effective immunity. The various TLRs exhibit different patterns of expression. This gene is predominantly expressed in lung and peripheral blood leukocytes, and lies in close proximity to another family member, TLR7, on chromosome X. [provided by

RefSeq, Jul 2008]

Function Key component of innate and adaptive immunity. TLRs (Toll-like receptors) control host immune

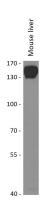
response against pathogens through recognition of molecular patterns specific to microorganisms. Acts via MYD88 and TRAF6, leading to NF-kappa-B activation, cytokine secretion and the inflammatory

response. [UniProt]

Calculated Mw 120 kDa

Cellular Localization Membrane; Single-pass type I membrane protein. [UniProt]

### **Images**



#### ARG59502 anti-TLR8 antibody WB image

Western blot: 25  $\mu g$  of Mouse liver lysate stained with ARG59502 anti-TLR8 antibody at 1:1000 dilution.