

## 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       | <table><thead><tr><th>Application</th><th>Dilution</th></tr></thead><tbody><tr><td>ICC/IF</td><td>1:50 - 1:200</td></tr><tr><td>IHC-P</td><td>1:50 - 1:200</td></tr><tr><td>WB</td><td>1:500 - 1:2000</td></tr></tbody></table> | Application | Dilution | ICC/IF | 1:50 - 1:200 | IHC-P | 1:50 - 1:200 | WB | 1:500 - 1:2000 |
| 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. |

**Note**

For laboratory research only, not for drug, diagnostic or other use.

## Bioinformation

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|                       |   |
|-----------------------|---|
| 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 <i>Drosophila</i> 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

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ARG59502 anti-TLR8 antibody WB image

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