

Anti-Toll-like receptor 8 TLR8 Antibody Picoband® Cy3 Conjugated

Catalog Number: PA1734-Cy3

About Tlr8

TLR8 (Toll-like receptor 8) is a protein that in humans is encoded by the TLR8 gene. TLR8 has also been designated as CD288 (cluster of differentiation 288). The TLR8 gene is mapped to Xp22.3-p22.2 by Chuang and Ulevitch (2000) and Du et al. (2000). 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. TLR8 recognises G-rich oligonucleotides.

Overview

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| Product Name | Anti-Toll-like receptor 8 TLR8 Antibody Picoband® Cy3 Conjugated |
| Reactive Species | Rat |
| Application | Flow Cytometry |
| Clonality | Polyclonal |
| Formulation | Each vial contains 50% glycerol, 0.9% NaCl, 0.2% Na ₂ HPO ₄ , 0.02% NaN ₃ . |
| Storage Instructions | At -20°C for one year from date of receipt. Avoid repeated freezing and thawing. Protect from light. |
| Host | Rabbit |
| Uniprot ID | A5H300 |

Technical Details

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|------------------|---------------------------------------------------------------------------------------------------------------------------------------------|
| Immunogen | A synthetic peptide corresponding to a sequence at the C-terminus of rat TLR8, different from the related mouse sequence by one amino acid. |
| Cross Reactivity | No cross-reactivity with other proteins |
| Isotype | Rabbit IgG |
| Form | Liquid |
| Concentration | 0.5 mg/mL |
| Purification | Immunogen affinity purified. |
| Conjugate | Cy3 Excitation Wavelength: 554 nm Emission Wavelength: 568 nm |

Suggested Dilutions

Flow Cytometry, Optimal dilutions should be determined by end users.

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