

Anti-MRP4/ABCC4 Antibody Picoband® PE Conjugated

Catalog Number: A01596-PE

About ABCC4

ABCC4 (Atp-binding cassette, subfamily c, member 4), also known as MRP4 or MOATB, is a protein that in humans is encoded by the ABCC4 gene. It belongs to a large family of transmembrane proteins involved in active transport of substrates out of cells. This gene is mapped to chromosome 13q32. ABCC4 acts as an independent regulator of intracellular cyclic nucleotide levels and as a mediator of cAMP-dependent signal transduction to the nucleus. The antiproliferative effect of ABCC4 inhibition was related to cAMP-dependent PKA activation and CREB phosphorylation. Pharmacologic inhibition of ABCC4 activity or knockdown of ABCC4 via RNA interference resulted in reduced migration of DCs from human skin explants and of in vitro-generated Langerhans cells. It has been found that ABCC4 contributes to migration of DCs toward draining lymph nodes and therefore has a role in the initiation of an immune response.

Overview

| | |
|----------------------|--|
| Product Name | Anti-MRP4/ABCC4 Antibody Picoband® PE Conjugated |
| Reactive Species | Human, Mouse, Rat |
| Application | Recommended applications are based on the parent unconjugated antibody (Flow Cytometry, IF, IHC, ICC, WB). Customers may select suitable applications according to their experimental needs. |
| 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 | O15439 |

Technical Details

| | |
|------------------|--|
| Immunogen | E.coli-derived human MRP4 recombinant protein (Position: M1-K77). |
| Cross Reactivity | No cross-reactivity with other proteins. |
| Isotype | Rabbit IgG |
| Form | Liquid |
| Concentration | 0.5 mg/mL |
| Purification | Immunogen affinity purified. |
| Conjugate | PE Excitation Wavelength: 566 nm Emission Wavelength: 574 nm |

Suggested Dilutions

Optimal dilutions should be determined by end users.

1 Publications Citing This Product

1. PubMed ID: 30105488, Chen L,Liao L,Zhai T,Huang X,Chen Y.Influence of Orally Administered Borneol on the Expression of Hepatic Transporters in Rats.Eur J Drug Metab Pharmacokinet.2019 Feb;44(1):103-109.doi:10.1007/s13318-018-0499-1.PMID:30105488.

Visit bosterbio.com/anti-mrp4-picoband-trade-antibody-a01596-boster.html to see all 1 publications.

Submit a product review to Biocompare.com

Submit a review of this product to Biocompare.com to receive a \$20 Amazon.com giftcard! Your reviews help your fellow scientists make the right decisions. Thank you for your contribution.



Anti-MRP4/ABCC4 Antibody - PE

For Research Use Only. Not for use in diagnostic procedures.