

Anti-CD44 Antibody Picoband® Fluoro550 Conjugated

Catalog Number: PB9333-Fluoro550

About CD44

CD44 is also known as LHR or MC56. The protein encoded by this gene is a cell-surface glycoprotein involved in cell-cell interactions, cell adhesion and migration. It is a receptor for hyaluronic acid (HA) and can also interact with other ligands, such as osteopontin, collagens, and matrix metalloproteinases (MMPs). This protein participates in a wide variety of cellular functions including lymphocyte activation, recirculation and homing, hematopoiesis, and tumor metastasis. Transcripts for this gene undergo complex alternative splicing that results in many functionally distinct isoforms, however, the full length nature of some of these variants has not been determined. Alternative splicing is the basis for the structural and functional diversity of this protein, and may be related to tumor metastasis.

Overview

| | |
|----------------------|---|
| Product Name | Anti-CD44 Antibody Picoband® Fluoro550 Conjugated |
| Reactive Species | Human, Rat |
| Application | Recommended applications are based on the parent unconjugated antibody (IF, IHC, 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 | P16070 |

Technical Details

| | |
|------------------|---|
| Immunogen | A synthetic peptide corresponding to a sequence at the N-terminus of human CD44, different from the related mouse and rat sequences by two amino acids. |
| Cross Reactivity | No cross-reactivity with other proteins |
| Isotype | Rabbit IgG |
| Form | Liquid |
| Concentration | 0.5 mg/mL |
| Purification | Immunogen affinity purified. |
| Conjugate | Fluoro550 Excitation Wavelength: 562 nm Emission Wavelength: 576 nm |

Suggested Dilutions

Optimal dilutions should be determined by end users.

37 Publications Citing This Product

1. PubMed ID: PMID:30210698, Identification and differentiation therapy strategy of pterygium in vitro
2. PubMed ID: 10.1016/j.biomaterials.2021.121260, An improved osseointegration of metal implants by pitavastatin loaded multilayer films with osteogenic and angiogenic properties
3. PubMed ID: 10.1038/cddis.2016.432, Smad3-related miRNAs regulated oncogenic TRIB2 promoter activity to effectively suppress lung adenocarcinoma growth

Visit bosterbio.com/anti-cd44-picoband-trade-antibody-pb9333-boster.html to see all 37 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-CD44 Antibody - Fluoro550

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