

## Anti-CD44 Antibody Picoband® Fluoro594 Conjugated

Catalog Number: PB9333-Fluoro594

### 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® Fluoro594 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 <sub>2</sub> HPO <sub>4</sub> , 0.02% NaN <sub>3</sub> .
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	Fluoro594 Excitation Wavelength: 593 nm Emission Wavelength: 618 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

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