

## Anti-MRP8/S100A8 Antibody Picoband® Fluoro594 Conjugated

Catalog Number: PB9742-Fluoro594

### About S100a8

S100 calcium-binding protein A8 (S100A8) is a protein that in humans is encoded by the S100A8 gene. It is also known as calgranulin A. The protein encoded by this gene is a member of the S100 family of proteins containing 2 EF-hand calcium-binding motifs. S100 proteins are localized in the cytoplasm and/or nucleus of a wide range of cells, and involved in the regulation of a number of cellular processes such as cell cycle progression and differentiation. S100 genes include at least 13 members which are located as a cluster on chromosome 1q21. This protein may function in the inhibition of casein kinase and as a cytokine. Altered expression of this protein is associated with the disease cystic fibrosis.

### Overview

Product Name	Anti-MRP8/S100A8 Antibody Picoband® Fluoro594 Conjugated
Reactive Species	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 <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	P27005

### Technical Details

Immunogen	E.coli-derived mouse S100A8 recombinant protein (Position: P2-E89). Mouse S100A8 shares 58.6% and 80.5% amino acid (aa) sequence identity with human and rat S100A8, respectively.
Cross Reactivity	No cross-reactivity with recombinant human S100A8 is observed.
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.

## 2 Publications Citing This Product

1. PubMed ID: , Pretreatment tumor-related leukocytosis misleads positron emission tomography-computed tomography during lymph node staging in gynecological malignancies
2. PubMed ID: 32170086, Mabuchi S,Komura N,Sasano T,Shimura K,Yokoi E,Kozasa K,Kuroda H,Takahashi R,Kawano M,Matsumoto Y,Kato H,Hatazawa J,Kimura T.Pretreatment tumor-related leukocytosis misleads positron emission tomography-computed tomography during lymph node staging in gyne

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