

## Anti-MRP8/S100A8 Antibody Picoband® Cy3 Conjugated

Catalog Number: PB9742-Cy3

### 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® Cy3 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           | Cy3<br>Excitation Wavelength: 554 nm<br>Emission Wavelength: 568 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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