

Anti-MRP8/S100A8 Antibody Picoband® APC Conjugated

Catalog Number: PB9742-APC

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

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| Product Name | Anti-MRP8/S100A8 Antibody Picoband® APC 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 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 | P27005 |

Technical Details

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| 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 | APC Excitation Wavelength: 633-647 nm Emission Wavelength: 660 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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