

## Anti-Azurocidin/AZU1 Antibody Picoband® Cy3 Conjugated

Catalog Number: A05212-1-Cy3

### About AZU1

Azurocidin also known as cationic antimicrobial protein CAP37 or heparin-binding protein (HBP) is a protein that in humans is encoded by the AZU1 gene. Azurophil granules, specialized lysosomes of the neutrophil, contain at least 10 proteins implicated in the killing of microorganisms. This gene encodes a preproprotein that is proteolytically processed to generate a mature azurophil granule antibiotic protein, with monocyte chemotactic and antimicrobial activity. It is also an important multifunctional inflammatory mediator. This encoded protein is a member of the serine protease gene family but it is not a serine proteinase, because the active site serine and histidine residues are replaced. The genes encoding this protein, neutrophil elastase 2, and proteinase 3 are in a cluster located at chromosome 19pter. All 3 genes are expressed coordinately and their protein products are packaged together into azurophil granules during neutrophil differentiation.

### Overview

|                      |  |
|----------------------|--|
| Product Name         | Anti-Azurocidin/AZU1 Antibody Picoband® Cy3 Conjugated   |
| Reactive Species     | Human, Mouse, Rat  |
| Application          | Recommended applications are based on the parent unconjugated antibody (ELISA, Flow Cytometry, 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           | P20160   |

### Technical Details

|                  |  |
|------------------|--|
| Immunogen        | E.coli-derived human Azurocidin/AZU1 recombinant protein (Position: I27-N245). |
| Cross Reactivity | No cross-reactivity with other proteins.                                       |
| Isotype          | Rabbit IgG   |
| Form             | Liquid   |
| Concentration    | 0.5 mg/mL  |
| Purification     | Immunogen affinity purified.   |
| Conjugate        | Cy3<br>Excitation Wavelength: 554 nm   |

|                     |  |
|---------------------|--|
|                     | Emission Wavelength: 568 nm                          |
| Suggested Dilutions | Optimal dilutions should be determined by end users. |

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Anti-Azurocidin/AZU1 Antibody - Cy3

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