

## bs-7673R-FITC

### • Rabbit Anti-PGRPS Polyclonal Antibody, FITC conjugated

#### Conjugated Primary Antibodies

##### Background:

The primary immune recognition is based on structures common among invading pathogens. Bacterial surface molecules, such as lipopolysaccharide (LPS) and peptidoglycan (PGN), are known to elicit immune reactions ranging from cytokine release to fever. Recently, a family of proteins called peptidoglycan recognition protein (PGRP) has been identified in mouse and human that binds to peptidoglycans expressed on Gram-positive bacteria. Peptidoglycan (PGN) is an essential cell wall component of virtually all bacteria and, thus, it is an excellent target for recognition by the eukaryotic innate immune system. The PGRPs (PGRP-L, PGRPS, PGRPIA, and PGRP-I-beta) define a new family of human pattern recognition molecules. PGRP-L is primarily expressed in the liver. Although liver is not considered a primary immune organ, liver participates in host defenses by producing acute phase proteins (by hepatocytes) in response to infections and by clearing microorganisms from blood. PGRPS is present in neutrophils and inhibits growth of Gram-positive bacteria and, therefore, may function as a neutrophil antibacterial protein. However, PGRPS may have another, as yet unidentified function because in humans it is expressed in the bone marrow 50–100 times higher than in neutrophils.

**Purification:** Was purified by Protein A and peptide affinity chromatography.

##### Storage:

Prepared as lyophilized powder or liquid and shipped on ice. Store at -20°C for one year. Protect from light.

##### Reconstitution:

If the antibody is in liquid form, no reconstitution needed.

Reconstitution is only required for the lyophilized antibody. Please refer to the reconstitution instruction card in the package.

**Size:** 100ul or 100ug lyophilized

**Concentration:** 1ug/uL

**Host:** Rabbit

##### Reactivities:

Human, Mouse, Rat, Dog, Pig, Cow, Horse, Rabbit, Sheep,

##### Application:

- IF(1:100-500)
- Not yet tested in other applications.  
Optimal working dilutions must be determined by the end user.

**Antibody Type:** Polyclonal

**Isotype:** IgG

**Molecular Weight:** 19kDa

**Preservatives:** 10ug/uL BSA and 0.1% NaN3.

For research use only. CAUTION: Not for human or animal therapeutic or diagnostic use.

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