

Anti-BPI Antibody (1N71)

Product Details

Ig Type:	Mouse IgG1
Reactivity:	Human
Conjugation:	Unconjugated
Clone:	1N71
Purification:	Protein A

Applications

Application:	ELISA
Recommended	ELISA: 1:1000-1:2000

Properties

Stability & Storage:	Store at 2°C-8°C for 1 month. Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles. Preservative-Free.
Shipping:	Shipping with blue ice.

Antigen Details

Immunogen:	Recombinant Protein: Human BPI protein (TMPY-02908)
Antigen Species:	Human
Synonyms:	BPIFD1;rBPI;bactericidal/permeability-increasing protein

Research Background

Bactericidal/permeability-increasing protein is a member of the BPI/LBP/Plunc superfamily and BPI/LBP family. It is a cationic protein which can be detected in the azurophilic granule and on the surface of polymorphonuclear leukocytes. Bactericidal/permeability-increasing protein also is a lipopolysaccharide binding protein. It is associated with human neutrophil granules and has bactericidal activity on gram-negative organisms.

Bactericidal/permeability-increasing protein contains two domains that adopt the same structural fold, even though they have little sequence similarity. It binds to and neutralises lipopolysaccharides from the outer membrane of Gram-negative bacteria. The cytotoxic action of bactericidal/permeability-increasing protein is limited to many species of Gram-negative bacteria; this specificity may be explained by a strong affinity of the very basic N-terminal half for the negatively charged lipopolysaccharides that are unique to the Gram-negative bacterial outer envelope.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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