

Anti-Bpi Neutralizing Antibody (V3S-0822-YC432)

Cat. No.: V3S-0822-YC432

Summary

Description	This product is a mouse monoclonal antibody provided by Creative Biolabs. The antibody is capable of recognizing bactericidal permeability increasing protein. It can be used for Bpi detection in Flow Cytometry (FC), Enzyme-Linked Immunosorbent Assay (ELISA), Neutralization Assay (Neut). The antibody is expressed in mammalian cells (293F or CHO) with antibody encoding genes and purified by affinity chromatography. Each lot of this antibody is quality controlled tested by SDS-PAGE and SEC-HPLC analysis. For highly sensitive assays, we recommend the ultra purified form of the product, which has a lower endotoxin limit than standard antibody, less than 1 EU/mg or even 0.1 EU/mg.
Clonality	Monoclonal
Host Species	Mouse
Target Species	Human
Immunogen	Mouse bacterial permeability increasing protein
Isotype	IgG1
Isotype Control	C60052; C51237
Secondary Antibody	C47504; C37557; C41360; C32672; C10001; C52760; C17603; C65740

Property

Conjugation	Unconjugated
Purity	>95%, determined by SDS-PAGE
Purification	Protein G purified
Storage	Store at 4°C within one or two weeks. Store at -20°C for long term. Avoid repeated freeze/thaw cycles. Refer to the COA file for specifics.

Applications

Application	FC; ELISA; Neut
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For lab research use only, not for diagnostic, therapeutic or any *in vivo* human use.

Target

Target	Bpi
Alternative Name	Bpi; bactericidal permeability increasing protein; Bpifd1; 9230105K17Rik; BPI
Gene ID	329547
UniProt	Q67E05
Introduction	BPI was initially identified in neutrophils, but is found in other tissues including the epithelial lining of mucous membranes. It is an endogenous antibiotic protein with potent killing activity against Gram-negative bacteria. It binds to compounds called lipopolysaccharides produced by Gram-negative bacteria. Lipopolysaccharides are potent activators of the immune system; however, BPI at certain concentrations can prevent this activation.
Research Area	Immunology; Cardiovascular

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