
CAP57 Antibody Blocking Peptide

Catalog Number: bs-9892P

Activity: Not tested

Purification: HPLC

Storage: Shipped at 4°C. Stored at -20°C for one year. Avoid repeated freeze/thaw cycles.

Background: The antimicrobial protein Bactericidal Permeability Increasing protein (BPI) is a 55 kDa protein found in the primary granules of polymorphonuclear leukocytes (PMN). The cytotoxicity action of BPI is limited to gram negative bacteria, reflecting the high affinity of BPI for bacterial LPS. Binding of BPI to live bacteria via LPS causes anti-infective activities: 1) cytotoxicity via sequential damage to bacterial outer and inner lipid membranes, 2) neutralization of gram-negative bacterial LPS, 3) opsonization of bacteria to enhance phagocytosis by neutrophils.