

Azurocidin, Human (CAP37, HBP)

Pab Rabbit anti- Human

Catalog Number: MBS611657

Purified

1ml

Human Azurocidin, a 29kD polypeptides member of a family of serine protease homologs stored in azurophil granules, may play a role in inflammatory and antimicrobial processes involving PMN. Azurocidin (CAP37, HBP) is an antimicrobial and chemotactic protein that is part of the innate defenses of human neutrophils. In addition, azurocidin is an inactive serine protease homolog with binding sites for diverse ligands including heparin and the bovine pancreatic trypsin inhibitor (BPTI). The structure of the protein reveals a highly cationic domain concentrated on one side of the molecule and responsible for its strong polarity.

Applications:

Suitable for use in ELISA, Western Blot and Immunoelectrophoresis. Other applications not tested.

Recommended Dilutions:

ELISA (Indirect): >1:4000

Western Blot: 1:2000 reacts with 0.3ug and 0.6ug of antigen.

Optimal dilutions to be determined by the researcher.

Storage and Stability:

May be stored at 4°C for short-term only. Aliquot to avoid repeated freezing and thawing. Store at -20°C. Aliquots are stable for 12 months after receipt. For maximum recovery of product, centrifuge the original vial after thawing and prior to removing the cap.

Product Type: Pab

Isotype: IgG

Host: rabbit

Source: human

Concentration: ~16mg/ml

Form: Supplied as a liquid in PBS, pH 7.5, 0.05% sodium azide.

Purity: Purified by ammonium sulfate precipitation.

Immunogen: Human neutrophil Azurocidin

Specificity: Recognizes human neutrophil azurocidin. Single arc detected on Immunoelectrophoresis of human neutrophil granule extract. Does not react to 0.5ug of purified Lysozyme, Myeloperoxidase, Cathepsin G, Proteinase 3 or Elastase.

Important Note: This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

Application Images