Certificate of Analysis

Rabbit anti- Human Azurocidin, Human (CAP37, HBP)

Catalog No	Lot No	Control No	Revision No	Revised By	Approved By	Storage
	L20090251	C20120953	050119			-20°C

Type	Grade	Isotype	Clone No	Concentration	Accession No	Swiss Prot No
Pab	Purified	IgG		19.4mg/ml	NP_001691.1	P20160

Gene	Gene ID

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.

Purity:
Purified by ammonium sulfate precipitation.

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

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 for small quantities:
Liquids: Apparent volume may be reduced due to evaporation. Add buffer to nominal volume and dilute per instructions. During shipment, small volume products may have adhered to the interior surface of the vial. To recover the maximum amount of product, centrifuge the vial lightly for 1-3 minutes and use a fine tipped pipette for removal. To recover the maximum amount of total product, wash the vial with your assay buffer/diluent. Small volumes of product (≤25ul) should be diluted for complete product recovery.
Powders: During shipment, small volume products may have adhered to the interior surface of the vial. To recover the maximum amount of product, centrifuge the vial lightly. To recover the maximum amount of total product, wash the vial with your assay buffer/diluent. Small volumes ~25-50ul should be diluted for complete product recovery.

Warning: ***Antibodies and antigens that contain 0.01% sodium azide:*** NIOSH cites a potential explosion hazard due to reaction with copper, lead, brass, or solder in metal drainage pipes. Sodium azide forms hydrazoic acid in acidic conditions. Discard in a large volume of running water. Standard Laboratory Practices should be followed. The chemical, physical and toxicological properties of this material have not been thoroughly investigated. Avoid skin and eye contact, inhalation and ingestion. See European Directive 67/548/EEC (Xn Harmful).
Disclaimer: Intended for research use only, not for use in human, therapeutic or diagnostic applications. Due to the highly specific nature of antibodies and antigens we cannot predict how this reagent will react in your system. Appropriate use of controls is recommended.