Rabbit anti-Human Azurocidin/CAP37 Monoclonal Antibody | anti-AZU1 antibody

Recombinant Anti-Azurocidin/CAP37 Antibody, Rabbit Monoclonal

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA255054	**Rabbit**	**Human**	**ELISA**

PRODUCT SYNONYMS

Azurocidin/CAP37; Monoclonal Antibody; Recombinant Anti-Azurocidin/CAP37 Antibody; Rabbit Monoclonal; Azurocidin/CAP37 Antibody; Rabbit MAb; azurocidin 1; Anti-AZAMP Antibody; Anti-AZU Antibody; Anti-AZU1 Antibody; Anti-CAP37 Antibody; Anti-HBP Antibody; Anti-hHBP Antibody; Anti-HUMAZUR Antibody; Anti-NAZC Antibody; anti-AZU1 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Monoclonal
Isotype	Rabbit IgG
Clone Number	421
Specificity	Human Azurocidin/CAP37
Purity/Purification	Protein A
Form/Format	Liquid; 0.2um filtered solution in PBS
Concentration	1 mg/ml (varies by lot)
Applicable Applications for anti-AZU1 antibody	ELISA
Source	Monoclonal Rabbit
Antibody Type	Recombinant Antibody
Immunogen	Recombinant Human Azurocidin/CAP37 Protein
Conjugation	Unconjugated
Preparation	This antibody was obtained from a rabbit immunized with purified, recombinant Human Azurocidin/CAP37 (rh Azurocidin/CAP37).
Preparation and Storage	This antibody can be stored at 2-8 degree C for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20 degree C to -80 degree C. Preservative-Free. Avoid repeated freeze-thaw cycles.

ADDITIONAL INFORMATION

Related Product Information for anti-AZU1 antibody	Azurocidin (AZU1), also known as heparin-binding protein (HBP) or cationic antimicrobial protein 37 (CAP37), is an azurophil granule antibiotic protein, with monocyte chemotactic and antibacterial activity. The Azurophil granules, specialized lysosomes of the neutrophil, contain at least 10 proteins implicated in the killing of microorganisms. Azurocidin is a member of the serine protease family that includes Cathepsin G, neutrophil elastase (NE), and proteinase 3 (PR3), however, Azurocidin is not a serine proteinase since the active site serine and histidine residues are replaced. Neutrophils arriving first at sites of inflammation release Azurocidin, which acts in a paracrine fashion on endothelial cells causing the development of intercellular gaps and allowing leukocyte extravasation. It thus be regarded as a reasonable therapeutic target for a variety of inflammatory disease conditions.

References	Lindmark A, et al. (1999) Characterization of the biosynthesis, processing, and sorting of human HBP/CAP37/azurocidin. J Leukoc Biol. 66(4): 634-43.Heinzelmann M, et al. (2001) Heparin binding protein (CAP37) differentially modulates endotoxin-induced cytokine production. Int J Surg Investig. 2(6): 457-66.Soehnlein O, et al. (2005) Neutrophil-derived heparin-binding protein (HBP/CAP37) deposited on endothelium enhances monocyte arrest under flow conditions. J Immunol. 174(10): 6399-405.

NCBI AND UNIPROT INFORMATION

NCBI GI #	11342670
NCBI GeneID	566
NCBI Accession #	NP_001691.1
NCBI GenBank Nucleotide #	NM_001700.3
UniProt Accession #	P20160; P80014; Q52LG4; Q9UCM1; Q9UCT5
NCBI Official Full Name	azurocidin preproprotein
NCBI Official Synonym Full Names	azurocidin 1
NCBI Official Symbol	AZU1
NCBI Official Synonym Symbols	AZU; HBP; NAZC; AZAMP; CAP37; HUMAZUR
NCBI Protein Information	azurocidin; neutrophil azurocidin; heparin-binding protein; cationic antimicrobial protein 37; cationic antimicrobial protein CAP37
UniProt Protein Name	Azurocidin
UniProt Gene Name	**AZU1**
UniProt Synonym Gene Names	HBP
UniProt Entry Name	CAP7_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: https://stage.aaabiotech.com/monoclonal/azurocidin-cap37-antibody-clone-421-elisa/255054