

AZU1 (Human) ELISA Kit

Catalog # KA4407

Size 1 Kit

Specification

Product Description	AZU1 (Human) ELISA Kit is a sandwich enzyme immunoassay for the quantitative measurement of human AZU1.
Suitable Sample	Cell culture supernates, Cell Lysates, Tissue Homogenates, Plasma (EDTA, heparin), Serum
Sample Volume	100 μ L
Label	HRP-conjugated
Detection Method	Colorimetric
Assay Type	Quantitative
Calibration Range	62.5 to 4000 pg/mL
Reactivity	Human
Regulation Status	For research use only (RUO)
Storage Instruction	Store at 4°C for 6 months, at -20°C for 12 months. Avoid multiple freeze-thaw cycles.

Applications

- Quantification

Gene Info — AZU1

Entrez GeneID	566
Gene Name	AZU1
Gene Alias	AZAMP, AZU, CAP37, HBP, HUMAZUR, NAZC

Gene Description	azurocidin 1
Omim ID	162815
Gene Ontology	Hyperlink
Gene Summary	Azurophil granules, specialized lysosomes of the neutrophil, contain at least 10 proteins implicated in the killing of microorganisms. The protein encoded by this gene is an azurophil granule antibiotic protein, with monocyte chemotactic and antibacterial activity. It is also an important multifunctional inflammatory mediator. This encoded protein is a member of the serine protease gene family but it is not a serine proteinase, because the active site serine and histidine residues are replaced. The genes encoding this protein, neutrophil elastase 2, and proteinase 3 are in a cluster located at chromosome 19pter. All 3 genes are expressed coordinately and their protein products are packaged together into azurophil granules during neutrophil differentiation. [provided by RefSeq]
Other Designations	cationic antimicrobial protein 37 heparin-binding protein neutrophil azurocidin

Publication Reference

- [Combined serum biomarkers in the noninvasive diagnosis of complicated parapneumonic effusions and empyema.](#)

Wu KA, Wu CC, Liu YC, Hsueh PC, Chin CY, Wang CL, Chu CM, Shih LJ, Yang CY.

BMC Pulmonary Medicine 2019 Jun; 19(1):108.

Application: Quant, Human, Human serum

Disease

- [HIV Infections](#)