

Mouse azurocidin ELISA Kit | AZU elisa kit

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CATALOG #
AAA81881

REACTIVITY
Mouse

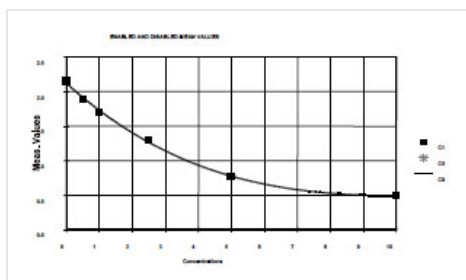
PRODUCT SYNONYMS

azurocidin; Mouse azurocidin ELISA Kit; azurocidin (Mouse); AZU elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Samples	Cell culture fluid & body fluid & tissue homogenate Serum or blood plasma
Preparation and Storage	Store all reagents at 2-8 degree C

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for AZU elisa kit

For Samples: Cell culture fluid & body fluid & tissue homogenate Serum or blood plasma

Intended Uses: This AZU ELISA kit is intended for laboratory research use only. The stop solution changes the color from blue to yellow and the intensity of the color is measured at 450 nm using a spectrophotometer. In order to measure the concentration of AZU in the sample, this AZU ELISA Kit includes a set of calibration standards. The calibration standards are assayed at the same time as the samples and allow the operator to produce a standard curve of Optical Density versus AZU concentration. The concentration of in the samples is then determined by comparing the O.D. of the samples to the standard curve.

Principle of the Assay: The coated well immunoenzymatic assay for the quantitative measurement of AZU utilizes a monoclonal anti-AZU antibody and an AZU-HRP conjugate. The assay sample and buffer are incubated together with AZU-HRP conjugate in pre-coated plate for one hour. After the incubation period, the wells are decanted and washed five times. The wells are then incubated with a substrate for HRP enzyme. The product of the enzyme-substrate reaction forms a blue colored complex. Finally, a stop solution is added to stop the reaction, which will then turn the solution yellow. The intensity of color is measured spectrophotometrically at 450nm in a microplate reader. The intensity of the color is inversely proportional to the AZU concentration since AZU from samples and AZU-HRP conjugate compete for the anti-AZU antibody binding site. Since the number of sites is limited, as more sites are occupied by AZU from the sample, fewer sites are left to bind AZU-HRP conjugate. Standards of known AZU concentrations are run concurrently with the samples being assayed and a standard curve is plotted relating the intensity of the color (Optical Density) to the concentration of AZU. The AZU concentration in each sample is interpolated from this standard curve.

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; Q86SR2
Molecular Weight	26,886 Da
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 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.