

Human AICAR ELISA Kit | AICAR elisa kit

Human AICAR (AICA Riboside) ELISA Kit

CATALOG #
AAA21858

REACTIVITY
Human

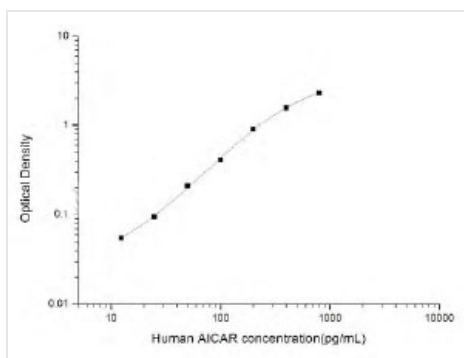
PRODUCT SYNONYMS

AICAR; Human AICAR (AICA Riboside) ELISA Kit; AICAR elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This kit recognizes Human AICAR in samples. No significant cross-reactivity or interference between Human AICAR and analogues was observed.
Sequence Length	541
Assay Type	Quantitative Sandwich
Samples	Serum, plasma and other biological fluids
Detection Range	12.5-800pg/mL
Sensitivity	7.5pg/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, mid range and high level Human AICAR were tested 20 times on one plate, respectively.
Inter-assay Precision	Inter-assay Precision (Precision between assays): 3 samples with low, mid range and high level Human AICAR were tested on 3 different plates, 20 replicates in each plate.
Preparation and Storage	Store at 4 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for AICAR elisa kit	Principle of the Assay: This ELISA kit uses the Sandwich-ELISA principle. The micro ELISA plate provided in this kit has been pre-coated with an antibody specific to Human AICAR. Standards or samples are added to the micro ELISA plate wells and combined with the specific antibody. Then a biotinylated detection antibody specific for Human AICAR and Avidin-Horseradish Peroxidase (HRP) conjugate are added successively to each micro plate well and incubated. Free components are washed away. The substrate solution is added to each well. Only those wells that contain Human AICAR, biotinylated detection antibody and Avidin-HRP conjugate will appear blue in color. The enzyme-substrate reaction is terminated by the addition of stop solution and the color turns yellow. The optical density (OD) is measured spectrophotometrically at a wavelength of 450 nm ± 2 nm. The OD value is proportional to the concentration of Human AICAR. You can calculate the concentration of Human AICAR in the samples by comparing the OD of the samples to the standard curve. Intended Uses: This ELISA kit applies to the in vitro quantitative determination of Human AICAR concentrations in serum, plasma and other biological fluids.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	147831658
NCBI GeneID	5175352
UniProt Accession #	A5CU40
Molecular Weight	56,612 Da
NCBI Official Full Name	AICAR transformylase/IMP synthetase
NCBI Official Symbol	purH
NCBI Protein Information	bifunctional phosphoribosylaminoimidazolecarboxamide formyltransferase/IMP cyclohydrolase
UniProt Protein Name	Bifunctional purine biosynthesis protein PurH
UniProt Gene Name	purH
UniProt Entry Name	A5CU40_CLAM3

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.