

Human 3 hydroxyanthranilate 3, 4 dioxygenase (HAAO) ELISA Kit | HAAO elisa kit

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CATALOG #
AAA246334

REACTIVITY
Human

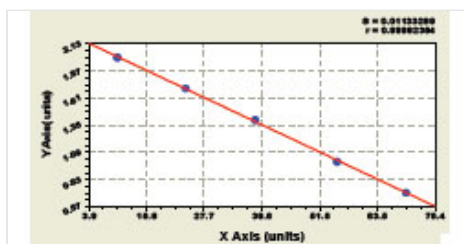
PRODUCT SYNONYMS

3 hydroxyanthranilate 3; 4 dioxygenase (HAAO); Human 3 hydroxyanthranilate 3; 4 dioxygenase (HAAO) ELISA Kit; HAAO elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Detection Range	100-2500pg/mL
Sensitivity	1.0pg/mL
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for HAAO elisa kit

Intended Uses: This HAAO ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Human HAAO. This ELISA kit for research use only!

Principle of the Assay||HAAO ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-HAAO antibody and an HAAO-HRP conjugate. The assay sample and buffer are incubated together with HAAO-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 HAAO concentration since HAAO from samples and HAAO-HRP conjugate compete for the anti-HAAO antibody binding site. Since the number of sites is limited, as more sites are occupied by HAAO from the sample, fewer sites are left to bind HAAO-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The HAAO concentration in each sample is interpolated from this standard curve.

NCBI AND UNIPROT INFORMATION

NCBI GI #

[308153402](#)

NCBI GeneID	23498
Molecular Weight	17,275 Da
NCBI Official Full Name	3-hydroxyanthranilate 3,4-dioxygenase
NCBI Official Synonym Full Names	3-hydroxyanthranilate 3,4-dioxygenase
NCBI Official Symbol	HAAO
NCBI Official Synonym Symbols	HAO; 3-HAO
NCBI Protein Information	3-hydroxyanthranilate 3,4-dioxygenase; HAD; 3-hydroxyanthranilate oxygenase; 3-hydroxyanthranilic acid dioxygenase
UniProt Protein Name	3-hydroxyanthranilate 3,4-dioxygenase
UniProt Gene Name	HAAO
UniProt Synonym Gene Names	3-HAO; HAD
UniProt Entry Name	3HAO_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/human-elisa-kits/3-hydroxyanthranilate-3-4-dioxygenase-haao/246334>