

Mouse 5-oxoprolinase (OPLAH) ELISA Kit | OPLAH elisa kit

Mouse 5-oxoprolinase (OPLAH) ELISA Kit

CATALOG #
AAA245723

REACTIVITY
Mouse

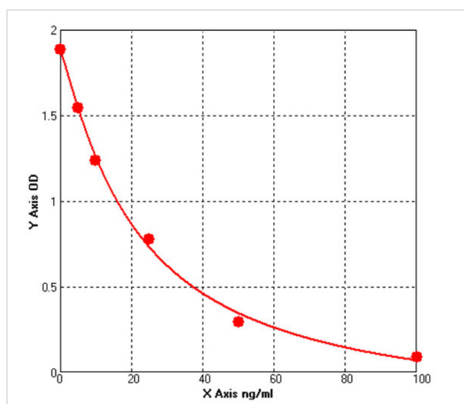
PRODUCT SYNONYMS

5-oxoprolinase (OPLAH); Mouse 5-oxoprolinase (OPLAH) ELISA Kit; OPLAH elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	This assay has high sensitivity and excellent specificity for detection of OPLAH. No significant cross-reactivity or interference between OPLAH and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between OPLAH and all the analogues, therefore, cross reaction may still exist in some cases.
Assay Type	Quantitative Competitive
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
Sensitivity	1.0 ng/mL
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for OPLAH elisa kit	Principle of the Assay: OPLAH ELISA kit applies the competitive enzyme immunoassay technique utilizing an anti-OPLAH antibody and an OPLAH-HRP conjugate. The assay sample and buffer are incubated together with OPLAH-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 OPLAH concentration since OPLAH from samples and OPLAH-HRP conjugate compete for the anti-OPLAH antibody binding site. Since the number of sites is limited, as more sites are occupied by OPLAH from the sample, fewer sites are left to bind OPLAH-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The OPLAH concentration in each sample is interpolated from this standard curve. Intended Uses: This OPLAH ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Mouse OPLAH. This ELISA kit for research use only, not for therapeutic or test applications!
---	---

NCBI AND UNIPROT INFORMATION

NCBI GI #	48314820
NCBI GeneID	26873
NCBI Accession #	NP_060040.1
NCBI GenBank Nucleotide #	NM_017570.4
Molecular Weight	137,457 Da
NCBI Official Full Name	5-oxoprolinase
NCBI Official Synonym Full Names	5-oxoprolinase (ATP-hydrolysing)
NCBI Official Symbol	OPLAH
NCBI Official Synonym Symbols	OPLA; OPLAHD; 5-Opase
NCBI Protein Information	5-oxoprolinase; pyroglutamase; 5-oxo-L-prolinase
UniProt Protein Name	5-oxoprolinase
UniProt Gene Name	OPLAH
UniProt Synonym Gene Names	5-OPase
UniProt Entry Name	OPLA_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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://www.aaabiotech.com/mouse-elisa-kits/5-oxoprolinase-oplah/245723>