

Human beta enolase (ENO3) ELISA Kit | ENO3 elisa kit

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CATALOG #
AAA245972

REACTIVITY
Human

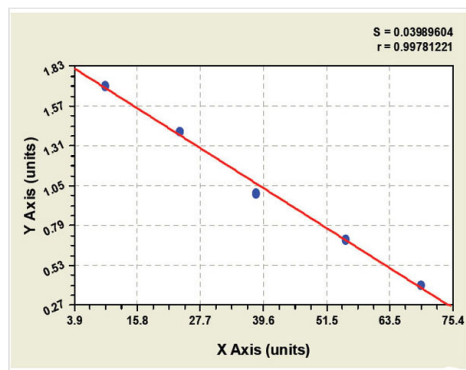
PRODUCT SYNONYMS

beta enolase (ENO3); Human beta enolase (ENO3) ELISA Kit; Human b enolase (ENO3) ELISA Kit; ENO3 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Detection Range	250-5000pg/mL
Sensitivity	1.0pg/mL
Intended Uses	This ENO3 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Human ENO3. This ELISA kit for research use only, not for therapeutic applications!
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for ENO3 elisa kit

Principle of the assay: ENO3 ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-ENO3 antibody and an ENO3-HRP conjugate. The assay sample and buffer are incubated together with ENO3-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 ENO3 concentration since ENO3 from samples and ENO3-HRP conjugate compete for the anti-ENO3 antibody binding site. Since the number of sites is limited, as more sites are occupied by ENO3 from the sample, fewer sites are left to bind ENO3-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The ENO3 concentration in each sample is interpolated from this standard curve.

NCBI AND UNIPROT INFORMATION

NCBI GI #	126723393
NCBI GeneID	25438
NCBI Accession #	NP_037081.2
NCBI GenBank Nucleotide #	NM_012949.2
Molecular Weight	47,014 Da
NCBI Official Full Name	beta-enolase
NCBI Official Synonym Full Names	enolase 3, beta, muscle
NCBI Official Symbol	Eno3
NCBI Official Synonym Symbols	BBE; MSE
NCBI Protein Information	beta-enolase; muscle-specific enolase; skeletal muscle enolase; 2-phospho-D-glycerate hydro-lyase; Muscle specific enolase (beta beta enolase) (two splicing products)
UniProt Protein Name	Beta-enolase
UniProt Gene Name	Eno3
UniProt Synonym Gene Names	Eno-3; MSE
UniProt Entry Name	ENOB_RAT

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.