

Human Chorionic somatomammotropin hormone 2 (CSH2) ELISA Kit | CSH2 elisa kit

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CATALOG #
AAA246313

REACTIVITY
Human

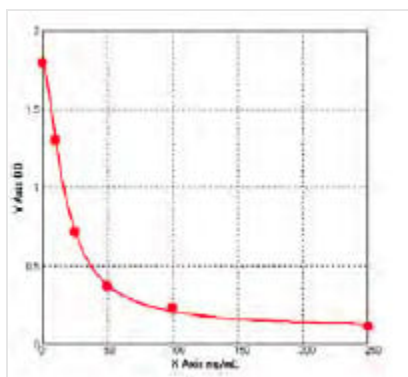
PRODUCT SYNONYMS

Chorionic somatomammotropin hormone 2 (CSH2); Human Chorionic somatomammotropin hormone 2 (CSH2) ELISA Kit; CSH2 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of CSH2. No significant cross-reactivity or interference between CSH2 and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between CSH2 and all the analogues, therefore, cross reaction may still exist in some cases.
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
Assay Type	Quantitative Competitive
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 CSH2 elisa kit	Intended Uses: This CSH2 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Human CSH2. This ELISA kit for research use only! Principle of the Assay: CSH2 ELISA kit applies the competitive enzyme immunoassay technique utilizing an anti-CSH2 antibody and an CSH2-HRP conjugate. The assay sample and buffer are incubated together with CSH2-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 CSH2 concentration since CSH2 from samples and CSH2-HRP conjugate compete for the anti-CSH2 antibody binding site. Since the number of sites is limited, as more sites are occupied by CSH2 from the sample, fewer sites are left to bind CSH2-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The CSH2 concentration in each sample is interpolated from this standard curve.
Product Categories/Family for CSH2 elisa kit	Signal Transduction

NCBI AND UNIPROT INFORMATION

NCBI GI #	12408692
NCBI GeneID	1443
NCBI Accession #	NP_072170.1
NCBI GenBank Nucleotide #	NM_022644.3
Molecular Weight	13,914 Da
NCBI Official Full Name	chorionic somatomammotropin hormone 2 isoform 2
NCBI Official Synonym Full Names	chorionic somatomammotropin hormone 2
NCBI Official Symbol	CSH2
NCBI Official Synonym Symbols	PL; CSB; CS-2; hCS-B
NCBI Protein Information	chorionic somatomammotropin hormone 2; lactogen; choriomammotropin; placental lactogen; chorionic somatomammotropin B
UniProt Protein Name	Chorionic somatomammotropin hormone 2
UniProt Gene Name	CSH2
UniProt Synonym Gene Names	Choriomammotropin; PL
UniProt Entry Name	CSH2_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.