

Human CYGB (Cytoglobin) ELISA Kit | CYGB elisa kit

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CATALOG #
AAA248828

REACTIVITY
Human

PRODUCT SYNONYMS

CYGB (Cytoglobin); Human CYGB (Cytoglobin) ELISA Kit; CYGB elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of CYGB. No significant cross-reactivity or interference between CYGB and analogues was observed.
Sequence Length	190
Assay Type	Sandwich ELISA, Double Antibody
Samples	Serum, Plasma, Cell Culture Supernatant, cell or tissue lysate, Other liquid samples
Detection Range	0.156-10ng/ml
Sensitivity	0.094ng/ml
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level CYGB were tested 20 times on one plate, respectively. Intra-Assay: CV<8%
Inter-assay Precision	Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level CYGB were tested on 3 different plates, 8 replicates in each plate. CV (%) = SD/meanX100. Inter-Assay: CV<10%
Preparation and Storage	Store entire kit at 2-8C for short-term. For longer-term, please store the microplate & standard at -20C, while the remaining reagents can be stored at 2-8C

IMAGES

Typical Data & Standard Curve

Results of a typical standard operation of a CYGB ELISA Kit are listed below. This standard curve was generated at our lab for demonstration purpose only. Users shall obtain standard curve as per experiment by themselves. (N/A not applicable)

X	ng/ml	0	0.156	0.312	0.625	1.25	2.5	5	10
Y	OD450	0.022	0.125	0.239	0.387	0.804	1.239	1.659	2.428

Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for CYGB elisa kit

Principle of the Assay: This kit was based on sandwich enzyme-linked immune-sorbent assay technology. Anti-CYGB antibody was pre-coated onto 96-well plates. And the biotin conjugated anti-CYGB antibody was used as detection antibodies. The standards, test samples and biotin conjugated detection antibody were added to the wells subsequently, and washed with wash buffer. HRP-Streptavidin was added and unbound conjugates were washed away with wash buffer. TMB substrates were used to visualize HRP enzymatic reaction. TMB was catalyzed by HRP to produce a blue color product that changed into yellow after adding acidic stop solution. The density of yellow is proportional to the CYGB amount of sample captured in plate. Read the O.D. absorbance at 450nm in a microplate reader, and then the concentration of CYGB can be calculated.

NCBI AND UNIPROT INFORMATION

NCBI GI #	19549331
NCBI GeneID	114757
NCBI Accession #	NP_599030.1
NCBI GenBank Nucleotide #	NM_134268.4
UniProt Accession #	Q8WWM9; Q541Y7; Q8N2X5
Molecular Weight	21,405 Da
NCBI Official Full Name	cytoglobin
NCBI Official Synonym Full Names	cytoglobin
NCBI Official Symbol	CYGB
NCBI Official Synonym Symbols	HGB; STAP
NCBI Protein Information	cytoglobin
UniProt Protein Name	Cytoglobin
UniProt Gene Name	CYGB
UniProt Synonym Gene Names	STAP; HGb

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/cygb-cytoglobin/248828>