

Human Class E basic helix loop helix protein 40 (BHLHE40) ELISA Kit | BHLHE40 elisa kit

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CATALOG #
AAA246301

REACTIVITY
Human

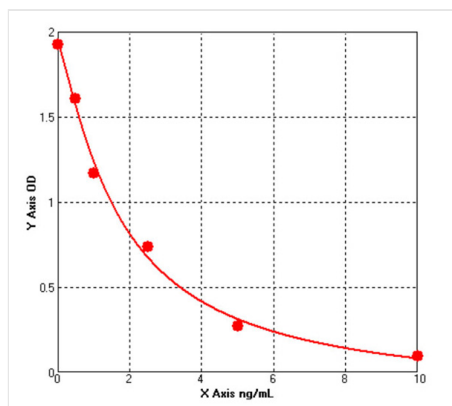
PRODUCT SYNONYMS

Class E basic helix loop helix protein 40 (BHLHE40); Human Class E basic helix loop helix protein 40 (BHLHE40) ELISA Kit; BHLHE40 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of BHLHE40. No significant cross-reactivity or interference between BHLHE40 and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between BHLHE40 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	0.1 ng/mL
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for BHLHE40 elisa kit	Principle of the Assay: BHLHE40 ELISA kit applies the competitive enzyme immunoassay technique utilizing an anti-BHLHE40 antibody and an BHLHE40-HRP conjugate. The assay sample and buffer are incubated together with BHLHE40-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 BHLHE40 concentration since BHLHE40 from samples and BHLHE40-HRP conjugate compete for the anti-BHLHE40 antibody binding site. Since the number of sites is limited, as more sites are occupied by BHLHE40 from the sample, fewer sites are left to bind BHLHE40-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The BHLHE40 concentration in each sample is interpolated from this standard curve. Intended Uses: This BHLHE40 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Human BHLHE40. This ELISA kit for research use only, not for therapeutic or test applications!
Product Categories/Family for BHLHE40 elisa kit	Epigenetics and Nuclear Signaling

NCBI AND UNIPROT INFORMATION

NCBI GI #	4503299
NCBI GeneID	8553
NCBI Accession #	NP_003661.1
NCBI GenBank Nucleotide #	NM_003670.2
Molecular Weight	45,510 Da
NCBI Official Full Name	class E basic helix-loop-helix protein 40
NCBI Official Synonym Full Names	basic helix-loop-helix family, member e40
NCBI Official Symbol	BHLHE40
NCBI Official Synonym Symbols	DEC1; HLHB2; BHLHB2; STRA13; Stra14; SHARP-2
NCBI Protein Information	class E basic helix-loop-helix protein 40; class B basic helix-loop-helix protein 2; differentially expressed in chondrocytes 1; stimulated by retinoic acid gene 13 protein; enhancer-of-split and hairy-related protein 2; differentially expressed in chondrocytes protein 1; differentiated embryo chondrocyte expressed gene 1; basic helix-loop-helix domain containing, class B, 2
UniProt Protein Name	Class E basic helix-loop-helix protein 40
UniProt Gene Name	BHLHE40
UniProt Synonym Gene Names	BHLHB2; DEC1; SHARP2; STRA13; bHLHe40; bHLHb2; DEC1; SHARP-2
UniProt Entry Name	BHE40_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/class-e-basic-helix-loop-helix-protein-40-bhlhe40/246301>