

Human Biliverdin Reductase B (BLVRB) ELISA Kit | BLVRB elisa kit

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CATALOG #
AAA65581

REACTIVITY
Human

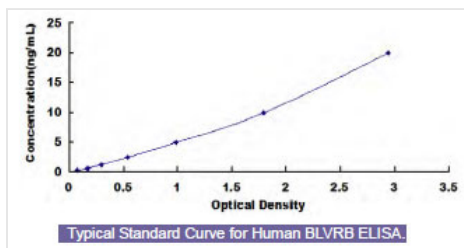
PRODUCT SYNONYMS

Biliverdin Reductase B (BLVRB); Human Biliverdin Reductase B (BLVRB) ELISA Kit; FLR; SDR43U1; Flavin Reductase; NADPH; Short Chain Dehydrogenase/Reductase Family 43U; Member 1; Biliverdin-IX beta-reductase; Green heme-binding protein; BLVRB elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of BLVRB. No significant cross-reactivity or interference between BLVRB and analogues was observed.
Sequence Length	206
Samples	Tissue homogenates, cell lysates and other biological fluids.
Assay Type	Sandwich
Detection Range	0.312-20ng/mL
Sensitivity	0.124ng/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level BLVRB were tested 20 times on one plate, respectively. Intra-Assay: CV<10%
Inter-assay Precision	Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level BLVRB were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%
Preparation and Storage	For unopened kit, all reagents should be kept according to the labels on vials. The TMB Substrate, Wash Buffer, Stop Solution should be stored at 4 degree C. All others should be stored at -20 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for BLVRB elisa kit	Intended Uses: The kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of BLVRB in human tissue homogenates, cell lysates and other biological fluids. Principle of the Assay: The microtiter plate provided in this kit has been pre-coated with an antibody specific to BLVRB. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation specific to BLVRB. Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. After TMB substrate solution is added, only those wells that contain BLVRB, biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450nm +/- 10nm. The concentration of BLVRB in the samples is then determined by comparing the O.D. of the samples to the standard curve.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	4502419
NCBI GeneID	645
NCBI Accession #	NP_000704.1
NCBI GenBank Nucleotide #	NM_000713.2
UniProt Accession #	P30043; P32078; P53005; Q32LZ2; A6NKD8; B2R5C6
Molecular Weight	22,119 Da
NCBI Official Full Name	flavin reductase (NADPH)
NCBI Official Synonym Full Names	biliverdin reductase B
NCBI Official Symbol	BLVRB
NCBI Official Synonym Symbols	FLR; BVRB; SDR43U1; HEL-S-10
NCBI Protein Information	flavin reductase (NADPH)
UniProt Protein Name	Flavin reductase (NADPH)
UniProt Gene Name	BLVRB
UniProt Synonym Gene Names	FLR; BVR-B; GHBP; FLR

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.