

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

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CATALOG #
AAA187550

REACTIVITY
Human

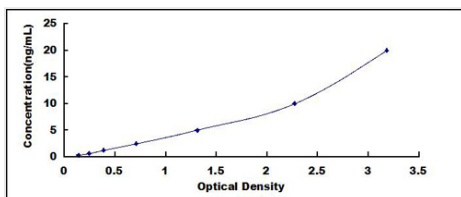
PRODUCT SYNONYMS

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 Biliverdin Reductase B (BLVRB). No significant cross-reactivity or interference between Biliverdin Reductase B (BLVRB) and analogues was observed.
Sequence Length	206
Assay Type	Double-antibody Sandwich
Samples	Tissue Homogenates, Cell Lysates and Other Biological Fluids
Detection Range	0.312-20ng/mL
Sensitivity	< 0.124ng/mL
Application	Enzyme-linked immunosorbent assay for Antigen Detection.
Intra-assay Precision (Precision within an assay)	3 samples with low, middle and high level Biliverdin Reductase B (BLVRB) were tested 20 times on one plate, respectively.
Inter-assay Precision (Precision between assays)	3 samples with low, middle and high level Biliverdin Reductase B (BLVRB) were tested on 3 different plates, 8 replicates in each plate.
CV(%) =	SD/meanX100
Intra-Assay	CV<10%
Inter-Assay	CV<12%
Preparation and Storage	The stability of kit is determined by the loss rate of activity. The loss rate of this kit is less than 5% within the expiration date under appropriate storage condition. To minimize extra influence on the performance, operation procedures and lab conditions, especially room temperature, air humidity, incubator temperature should be strictly controlled. It is also strongly suggested that the whole assay is performed by the same operator from the beginning to the end.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for BLVRB elisa kit	The test principle applied in this kit is Sandwich enzyme immunoassay. The microtiter plate provided in this kit has been pre-coated with an antibody specific to Biliverdin Reductase B (BLVRB). Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody specific to Biliverdin Reductase B (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 Biliverdin Reductase B (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 Biliverdin Reductase B (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 #	81674202
NCBI GeneID	645
UniProt Accession #	P30043; P32078; P53005; Q32LZ2; A6NKD8; B2R5C6
Molecular Weight	22,119 Da
NCBI Official Full Name	Biliverdin reductase B (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.

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Online datasheet: <https://stage.aaabiotech.com/human-elisa-kits/biliverdin-reductase-b-blvr/187550>