

Human ATP-Binding Cassette Sub-Family B Member 5 (ABCB5) ELISA Kit | ABCB5 elisa kit

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CATALOG #
AAA331047

REACTIVITY
Human

PRODUCT SYNONYMS

ATP-Binding Cassette Sub-Family B Member 5 (ABCB5); Human ATP-Binding Cassette Sub-Family B Member 5 (ABCB5) ELISA Kit; ABCB5; ABCB5alpha; ABCB5beta; EST422562; ATP-binding cassette protein; ATP-binding cassette; sub-family B; member 5; P-glycoprotein ABCB5; ABCB5 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Human ATP-binding cassette sub-family B member 5 (ABCB5) ELISA Kit has high sensitivity and excellent specificity for detection of Human ABCB5. No significant cross-reactivity or interference between Human ABCB5 and analogues was observed.
Sequence Length	1257
Assay Type	Sandwich ELISA (Quantitative)
Samples	Cell Culture Supernatants, Serum, Plasma, Other Biological Fluids
Detection Method	Colorimetric
Usage Notes	* Do not mix components from different kit lots or use reagents beyond the kit expiration date. * Allow all reagents to warm to room temperature for at least 30 minutes before opening. * Pre-rinse the pipet tip with reagent, use fresh pipet tips for each sample, standard and reagent to avoid contamination. * Unused wells must be kept desiccated at 4 degree C in the sealed bag provided. * Mix Thoroughly is very important for the result. It is recommended using low frequency oscillator or slight hand shaking every 10 minutes. * It is recommended that all samples and standards be assayed in duplicate or triplicate.
Preparation and Storage	Store at 2-8 degree C.

IMAGES



Standard Curve (Sample)

Fig.1. Human ATP-binding cassette sub-family B member 5 (ABCB5) Standard Curve.

ADDITIONAL INFORMATION

Related Product Information for ABCB5 elisa kit	Description: This Human ATP-binding cassette sub-family B member 5 (ABCB5) ELISA Kit employs a two-site sandwich ELISA to quantitate ABCB5 in samples. An antibody specific for ABCB5 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any ABCB5 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for ABCB5 is added to the wells. After washing, Streptavidin conjugated Horseradish Peroxidase (HRP) is added to the wells. Following a wash to remove any unbound avidin-enzyme reagent, a substrate solution is added to the wells and color develops in proportion to the amount of ABCB5 bound in the initial step. The color development is stopped and the intensity of the color is measured. Background: ABCB5 [ATP-Binding Cassette Subfamily B (MDR/TAP) Member 5] is a human ABC transporter and P-glycoprotein family member principally expressed in physiological skin and human malignant melanoma.ABCB5- alpha and -beta diverge after exon 6, with ABCB5-alpha including a seventh exon that encodes its 3-prime UTR, and ABCB5-beta including 14 more exons. The 131-amino acid ABCB5-alpha protein has a calculated molecular mass of 15 kD. It has an ABC signature motif and a Walker B consensus sequence, but no Walker A consensus sequence. In contrast, ABCB5-beta has an N-terminal ABC signature motif and Walker B motif, followed by 6 transmembrane domains and C-terminal Walker A, ABC signature, and Walker B motifs.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	255708477
NCBI GeneID	340273
NCBI Accession #	NP_001157413.1
NCBI GenBank Nucleotide #	NP_001157413.1
UniProt Accession #	Q2M3G0
NCBI Official Full Name	ATP-binding cassette sub-family B member 5 isoform 1
NCBI Official Synonym Full Names	ATP binding cassette subfamily B member 5
NCBI Official Symbol	ABCB5
NCBI Official Synonym Symbols	ABCB5beta; EST422562; ABCB5alpha
NCBI Protein Information	ATP-binding cassette sub-family B member 5
UniProt Protein Name	ATP-binding cassette sub-family B member 5
UniProt Gene Name	ABCB5
UniProt Entry Name	ABCB5_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/atp-binding-cassette-sub-family-b-member-5-abcb5/331047>