

Human ATP binding cassette sub family G member 5 (ABCG5) ELISA Kit | ABCG5 elisa kit

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CATALOG #
AAA244672

REACTIVITY
Human

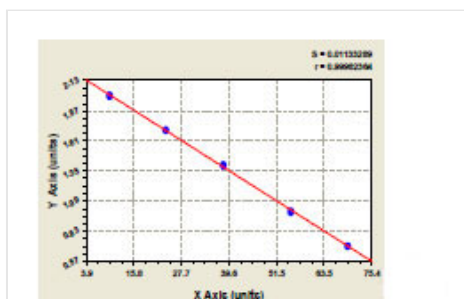
PRODUCT SYNONYMS

ATP binding cassette sub family G member 5 (ABCG5); Human ATP binding cassette sub family G member 5 (ABCG5) ELISA Kit; ABCG5 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Detection Range	100-2500pg/mL
Sensitivity	1.0pg/mL
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for ABCG5 elisa kit

Intended Uses: This ABCG5 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Human ABCG5. This ELISA kit for research use only!

Principle of the Assay: ABCG5 ELISA kit applies the competitive enzyme immunoassay technique utilizing a Polyclonal anti-ABCG5 antibody and an ABCG5-HRP conjugate. The assay sample and buffer are incubated together with ABCG5-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 ABCG5 concentration since ABCG5 from samples and ABCG5-HRP conjugate compete for the anti-ABCG5 antibody binding site. Since the number of sites is limited, as more sites are occupied by ABCG5 from the sample, fewer sites are left to bind ABCG5-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The ABCG5 concentration in each sample is interpolated from this standard curve.

Product Categories/Family for ABCG5 elisa kit

[Signal Transduction](#)

NCBI AND UNIPROT INFORMATION

NCBI GI #	11967969
NCBI GeneID	64240
NCBI Accession #	NP_071881.1
NCBI GenBank Nucleotide #	NM_022436.2
Molecular Weight	28,480 Da
NCBI Official Full Name	ATP-binding cassette sub-family G member 5
NCBI Official Synonym Full Names	ATP-binding cassette, sub-family G (WHITE), member 5
NCBI Official Symbol	ABCG5
NCBI Official Synonym Symbols	STSL
NCBI Protein Information	ATP-binding cassette sub-family G member 5; sterolin 1; sterolin-1; ATP-binding cassette, subfamily G, member 5
UniProt Protein Name	ATP-binding cassette sub-family G member 5
UniProt Gene Name	ABCG5
UniProt Entry Name	ABCG5_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-g-member-5-abcg5/244672>