

Human Soluble Leukocyte antigen G ELISA Kit | sHLA G elisa kit

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CATALOG #
AAA87113

REACTIVITY
Human

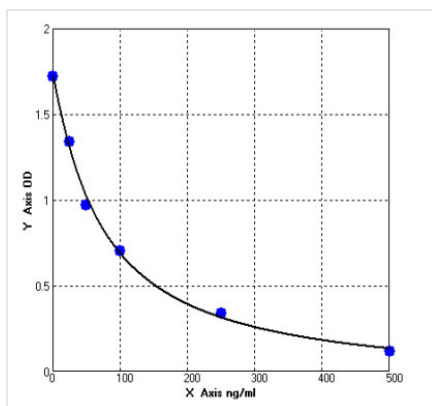
PRODUCT SYNONYMS

Soluble Leukocyte antigen G; Human Soluble Leukocyte antigen G ELISA Kit; sHLA G elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of sHLA-G. No significant cross-reactivity or interference between sHLA-G and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between sHLA-G 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	1.0 ng/mL
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

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

NCBI AND UNIPROT INFORMATION

NCBI GI #	13633915
NCBI GeneID	4086
Molecular Weight	52,260 Da
NCBI Official Full Name	Mothers against decapentaplegic homolog 1
NCBI Official Synonym Full Names	SMAD family member 1
NCBI Official Symbol	SMAD1
NCBI Official Synonym Symbols	BSP1; JV41; BSP-1; JV4-1; MADH1; MADR1
NCBI Protein Information	mothers against decapentaplegic homolog 1; MAD homolog 1; Mad-related protein 1; TGF-beta signaling protein 1; mothers against DPP homolog 1; SMAD, mothers against DPP homolog 1; MAD, mothers against decapentaplegic homolog 1; transforming growth factor-beta signaling protein 1; transforming growth factor-beta-signaling protein 1
UniProt Protein Name	Mothers against decapentaplegic homolog 1
UniProt Gene Name	SMAD1
UniProt Synonym Gene Names	BSP1; MADH1; MADR1; MAD homolog 1; Mothers against DPP homolog 1; SMAD 1; Smad1; hSMAD1; BSP-1
UniProt Entry Name	SMAD1_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.