

Human SALL4 (Sal-like protein 4) ELISA Kit | SALL4 elisa kit

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CATALOG #
AAA248928

REACTIVITY
Human

PRODUCT SYNONYMS

SALL4 (Sal-like protein 4); Human SALL4 (Sal-like protein 4) ELISA Kit; SALL4 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of SAKL. No significant cross-reactivity or interference between SAKL and analogues was observed.
Sequence Length	616
Assay Type	Sandwich ELISA, Double Antibody
Samples	Serum, Plasma, Cell Culture Supernatant, cell or tissue lysate, Other liquid samples
Detection Range	31.25-2000pg/ml
Sensitivity	18.75pg/ml
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level SAKL were tested 20 times on one plate, respectively. Intra-Assay: CV<8%
Inter-assay Precision	Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level SAKL were tested on 3 different plates, 8 replicates in each plate. CV (%) = SD/meanX100. Inter-Assay: CV<10%
Preparation and Storage	Store entire kit at 2-8C for short-term. For longer-term, please store the microplate & standard at -20C, while the remaining reagents can be stored at 2-8C

IMAGES

Typical Data & Standard Curve

Results of a typical standard operation of a SALL4 ELISA Kit are listed below. This standard curve was generated at our lab for demonstration purpose only. Users shall obtain standard curve as per experiment by themselves. (N/A-not applicable)

X	pg/ml	0	31.25	62.5	125	250	500	1000	2000
Y	OD450	0.046	0.097	0.149	0.276	0.487	0.808	1.354	2.269

Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for SALL4 elisa kit

Principle of the Assay: This kit was based on sandwich enzyme-linked immune-sorbent assay technology. Anti-SAKL antibody was pre-coated onto 96-well plates. And the biotin conjugated anti-SAKL antibody was used as detection antibodies. The standards, test samples and biotin conjugated detection antibody were added to the wells subsequently, and washed with wash buffer. HRP-Streptavidin was added and unbound conjugates were washed away with wash buffer. TMB substrates were used to visualize HRP enzymatic reaction. TMB was catalyzed by HRP to produce a blue color product that changed into yellow after adding acidic stop solution. The density of yellow is proportional to the SAKL amount of sample captured in plate. Read the O.D. absorbance at 450nm in a microplate reader, and then the concentration of SAKL can be calculated.

NCBI AND UNIPROT INFORMATION

NCBI GI #	972775858
NCBI GeneID	57167
NCBI Accession #	NP_001304960.1
NCBI GenBank Nucleotide #	NM_001318031.1
UniProt Accession #	Q9UJQ4; Q540H3; Q6Y8G6; A2A2D8
Molecular Weight	65,708 Da
NCBI Official Full Name	sal-like protein 4 isoform 2
NCBI Official Synonym Full Names	spalt like transcription factor 4
NCBI Official Symbol	SALL4
NCBI Official Synonym Symbols	DRRS; HSAL4; ZNF797
NCBI Protein Information	sal-like protein 4
UniProt Protein Name	Sal-like protein 4
UniProt Gene Name	SALL4
UniProt Synonym Gene Names	ZNF797

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/sall4-sal-like-protein-4/248928>