

Human Sulfatase Modifying Factor 1 (SUMF1) ELISA Kit | SUMF1 elisa kit

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CATALOG #
AAA64124

REACTIVITY
Human

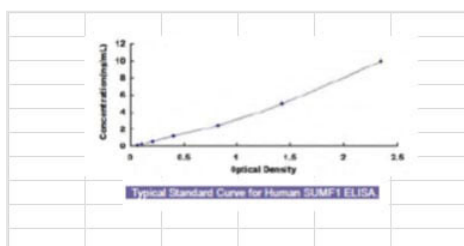
PRODUCT SYNONYMS

Sulfatase Modifying Factor 1 (SUMF1); Human Sulfatase Modifying Factor 1 (SUMF1) ELISA Kit; FGE; C-alpha-formylglycine-generating enzyme 1; SUMF1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of SUMF1. No significant cross-reactivity or interference between SUMF1 and analogues was observed.
Sequence Length	349
Samples	Tissue homogenates and other biological fluids.
Assay Type	Sandwich
Detection Range	0.156-10ng/mL
Sensitivity	0.064ng/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level SUMF1 were tested 20 times on one plate, respectively. Intra-Assay: CV<10%
Inter-assay Precision	Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level SUMF1 were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%
Preparation and Storage	For unopened kit, all reagents should be kept according to the labels on vials. The TMB Substrate, Wash Buffer, Stop Solution should be stored at 4 degree C. All others should be stored at -20 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for SUMF1 elisa kit	Intended Uses: The kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of SUMF1 in human tissue homogenates and other biological fluids. Principle of the Assay: The microtiter plate provided in this kit has been pre-coated with an antibody specific to SUMF1. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation specific to SUMF1. 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 SUMF1, 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 SUMF1 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 #	257470975
NCBI GeneID	285362
NCBI Accession #	NP_001158146.1
NCBI GenBank Nucleotide #	NM_001164674.1
UniProt Accession #	Q8NBK3; Q0VAC6; Q0VAC7; Q2NL78; Q53ZE4; Q6UY39; Q96AK5; Q96DK8; B4DXK5; B7XD05; E9PGL0; G5E9B0
Molecular Weight	38,386 Da
NCBI Official Full Name	sulfatase-modifying factor 1 isoform 2
NCBI Official Synonym Full Names	sulfatase modifying factor 1
NCBI Official Symbol	SUMF1
NCBI Official Synonym Symbols	FGE; UNQ3037; AAPA3037
NCBI Protein Information	sulfatase-modifying factor 1
UniProt Protein Name	Sulfatase-modifying factor 1
UniProt Gene Name	SUMF1
UniProt Synonym Gene Names	FGE

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/sulfatase-modifying-factor-1-sumf1/64124>