

Mouse Sulfatase 2 (SULF2) ELISA Kit | SULF2 elisa kit

Mouse Sulfatase 2 (SULF2) ELISA Kit

CATALOG #
AAA187239

REACTIVITY
Mouse

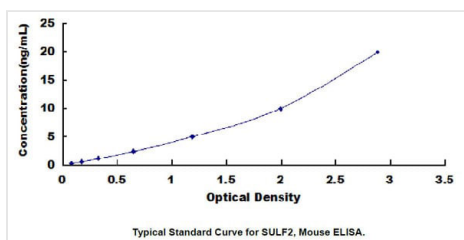
PRODUCT SYNONYMS

Sulfatase 2 (SULF2); Mouse Sulfatase 2 (SULF2) ELISA Kit; HSULF-2; Extracellular sulfatase Sulf-2; SULF2 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	This assay has high sensitivity and excellent specificity for detection of SULF2. No significant cross-reactivity or interference between SULF2 and analogues was observed.
Sequence Length	867
Assay Type	Quantitative Sandwich
Samples	Mouse serum, plasma, tissue homogenates, cell lysates, cell culture supernates and other biological fluids
Detection Range	0.312-20ng/mL
Sensitivity	< 0.114ng/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level SULF2 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 SULF2 were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%
Preparation and Storage	The stability of kit is determined by the loss rate of activity. The loss rate of this kit is less than 5% within the expiration date under appropriate storage condition. To minimize extra influence on the performance, operation procedures and lab conditions, especially room temperature, air humidity, incubator temperature should be strictly controlled. It is also strongly suggested that the whole assay is performed by the same operator from the beginning to the end.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for SULF2 elisa kit	Principle of the Assay: The microplate provided in this kit has been pre-coated with an antibody specific to SULF2. Standards or samples are then added to the appropriate microplate wells with a biotin-conjugated antibody specific to SULF2. 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 SULF2, 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 SULF2 in the samples is then determined by comparing the O.D. of the samples to the standard curve. Intended Uses: The kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of SULF2 in mouse serum, plasma, tissue homogenates, cell lysates, cell culture supernates and other biological fluids.
References	Extracellular sulfatase-2 is overexpressed in rheumatoid arthritis and mediates the TNF-?-induced inflammatory activation of synovial fibroblasts; Cell Mol Immunol; 2022 Oct;19(10):1185-1195.; PMID: 36068294; Ruby J Siegel; Department of Pharmaceutical Sciences, Washington State University College of Pharmacy and Pharmaceutical Sciences, Spokane, WA, USA.

NCBI AND UNIPROT INFORMATION

NCBI GI #	83405533
NCBI GeneID	55959
UniProt Accession #	Q8IWU5; Q5JYE1; Q6UX86; Q96SG2; Q9H1H0; Q9UJR3; Q9ULH3; E1P5U6
Molecular Weight	100,156 Da
NCBI Official Full Name	Sulfatase 2
NCBI Official Synonym Full Names	sulfatase 2
NCBI Official Symbol	SULF2
NCBI Official Synonym Symbols	HSULF-2
NCBI Protein Information	extracellular sulfatase Sulf-2
UniProt Protein Name	Extracellular sulfatase Sulf-2
UniProt Gene Name	SULF2
UniProt Synonym Gene Names	KIAA1247; hSulf-2

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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/mouse-elisa-kits/sulfatase-2-sulf2/187239>