

## Mouse Extracellular Sulfatase Sulf-2 (SULF2) ELISA Kit | SULF2 elisa kit

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CATALOG #  
**AAA332290**

REACTIVITY  
**Mouse**

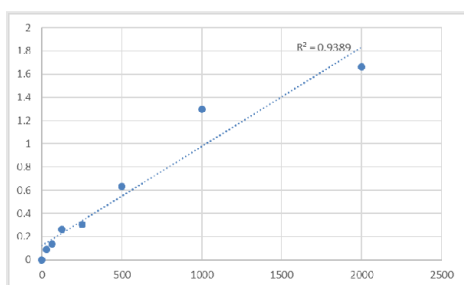
### PRODUCT SYNONYMS

Extracellular Sulfatase Sulf-2 (SULF2); Mouse Extracellular Sulfatase Sulf-2 (SULF2) ELISA Kit; SULF2; RP5-1049G16.1; DKFZp313E091; FLJ44488; FLJ90554; HSULF-2; KIAA1247; MGC126411; extracellular sulfatase SULF-2; SULF2 elisa kit

### PRODUCT SPECIFICATIONS

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
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| Reactivity              | Mouse                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Specificity             | Mouse Extracellular sulfatase Sulf-2 (SULF2) ELISA Kit has high sensitivity and excellent specificity for detection of Mouse SULF2. No significant cross-reactivity or interference between Mouse SULF2 and analogues was observed.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Sequence Length         | 875                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Assay Type              | Sandwich ELISA (Quantitative)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Samples                 | Cell Culture Supernatants, Serum, Plasma, Other Biological Fluids                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Detection Method        | Colorimetric                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Usage Notes             | <ul style="list-style-type: none"> <li>* Do not mix components from different kit lots or use reagents beyond the kit expiration date.</li> <li>* Allow all reagents to warm to room temperature for at least 30 minutes before opening.</li> <li>* Pre-rinse the pipet tip with reagent, use fresh pipet tips for each sample, standard and reagent to avoid contamination.</li> <li>* Unused wells must be kept desiccated at 4 degree C in the sealed bag provided.</li> <li>* Mix Thoroughly is very important for the result. It is recommended using low frequency oscillator or slight hand shaking every 10 minutes.</li> <li>* It is recommended that all samples and standards be assayed in duplicate or triplicate.</li> </ul> |
| Preparation and Storage | Store at 2-8 degree C.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |

### IMAGES



**Standard Curve (Sample)**

Fig.1. Mouse Extracellular sulfatase Sulf-2 (SULF2) Standard Curve.

ADDITIONAL INFORMATION

|                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
|-------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for SULF2 elisa kit | <p>Description: This Mouse Extracellular sulfatase Sulf-2 (SULF2) ELISA Kit employs a two-site sandwich ELISA to quantitate SULF2 in samples. An antibody specific for SULF2 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any SULF2 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for SULF2 is added to the wells. After washing, Streptavidin conjugated Horseradish Peroxidase (HRP) is added to the wells. Following a wash to remove any unbound avidin-enzyme reagent, a substrate solution is added to the wells and color develops in proportion to the amount of SULF2 bound in the initial step. The color development is stopped and the intensity of the color is measured.</p> <p>Background: Sulfatase 2contains an N-terminal signal sequence, followed by a sulfatase domain, a hydrophilic region, and a C-terminal substrate recognition domain.SULF2 shares about 64% identity with SULF1 and 94% identity with mouse Sulf2. PCR detected SULF2 expression in most human tissues examined, with highest levels in ovary, skeletal muscle, stomach, brain, uterus, heart, kidney, and placenta. Western blot analysis of transfected Chinese hamster ovary (CHO) cells and culture medium detected SULF2 proteins with apparent molecular masses of 132, 64, and 60 kD in the culture medium. Treatment with furin inhibitors resulted in a single 132-kD species, and treatment with N-glycanase reduced the molecular mass from 132 kD to 100 kD.</p> |
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NCBI AND UNIPROT INFORMATION

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|----------------------------------|---------------------------------------------|
| NCBI GI #                        | 357588451                                   |
| NCBI GeneID                      | 72043                                       |
| NCBI Accession #                 | NP_001239507.1                              |
| NCBI GenBank Nucleotide #        | NP_001239507.1                              |
| UniProt Accession #              | Q8CFG0                                      |
| NCBI Official Full Name          | extracellular sulfatase Sulf-2 isoform 1    |
| NCBI Official Synonym Full Names | sulfatase 2                                 |
| NCBI Official Symbol             | Sulf2                                       |
| NCBI Official Synonym Symbols    | MSulf-2; AU020235; mKIAA1247; 2010004N24Rik |
| NCBI Protein Information         | extracellular sulfatase Sulf-2              |
| UniProt Protein Name             | Extracellular sulfatase Sulf-2              |
| UniProt Gene Name                | Sulf2                                       |
| UniProt Synonym Gene Names       | mSulf-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.