

Human Small ubiquitin related modifier 2 (SUMO2) ELISA Kit | SUMO2 elisa kit

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CATALOG #
AAA245896

REACTIVITY
Human

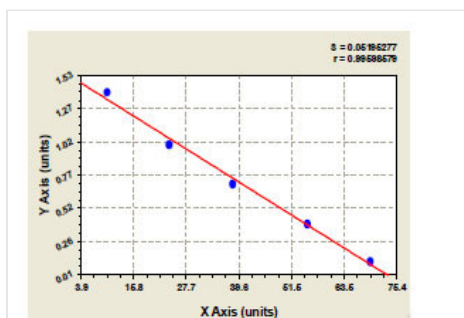
PRODUCT SYNONYMS

Small ubiquitin related modifier 2 (SUMO2); Human Small ubiquitin related modifier 2 (SUMO2) ELISA Kit; SUMO2 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Detection Range	0.5-10ng/mL
Sensitivity	0.1ng/mL
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



ADDITIONAL INFORMATION

Related Product Information for SUMO2 elisa kit

Intended Uses: This SUMO2 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Human SUMO2. This ELISA kit for research use only!

Principle of the Assay: SUMO2 ELISA kit applies the competitive enzyme immunoassay technique utilizing a Polyclonal anti-SUMO2 antibody and an SUMO2-HRP conjugate. The assay sample and buffer are incubated together with SUMO2-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 SUMO2 concentration since SUMO2 from samples and SUMO2-HRP conjugate compete for the anti-SUMO2 antibody binding site. Since the number of sites is limited, as more sites are occupied by SUMO2 from the sample, fewer sites are left to bind SUMO2-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The SUMO2 concentration in each sample is interpolated from this standard curve.

NCBI AND UNIPROT INFORMATION

NCBI GI #	19424298
NCBI GeneID	690244
NCBI Accession #	NP_598278.1
NCBI GenBank Nucleotide #	NM_133594.2
Molecular Weight	10,871 Da
NCBI Official Full Name	small ubiquitin-related modifier 2
NCBI Official Synonym Full Names	small ubiquitin-like modifier 2
NCBI Official Symbol	Sumo2
NCBI Official Synonym Symbols	Smt3A; Smt3h2
NCBI Protein Information	small ubiquitin-related modifier 2; SUMO-2; sentrin-2; SMT3 homolog 2; ubiquitin-like protein SMT3A; ubiquitin-like protein SMT3B; SMT3 suppressor of mif two 3 homolog 2
UniProt Protein Name	Small ubiquitin-related modifier 2
UniProt Gene Name	Sumo2
UniProt Synonym Gene Names	Smt3a; Smt3h2; SUMO-2; Smt3A
UniProt Entry Name	SUMO2_RAT

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/small-ubiquitin-related-modifier-2-sumo2/245896>