

Rat Secreted Frizzled-Related Protein 1 ELISA Kit | SFRP1 elisa kit

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CATALOG #
AAA94556

REACTIVITY
Rat

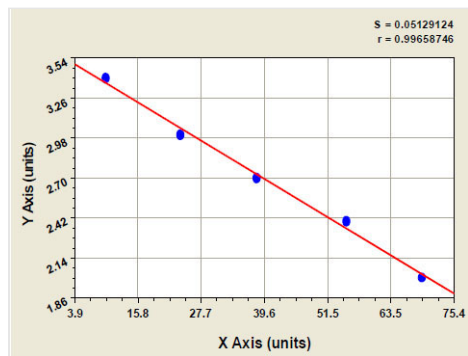
PRODUCT SYNONYMS

Secreted Frizzled-Related Protein 1; Rat Secreted Frizzled-Related Protein 1 ELISA Kit; SFRP1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Detection Range	5.0-100ng/mL
Sensitivity	0.1ng/ml
Intended Uses	This SFRP1 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Rat SFRP1. This ELISA kit for research use only, not for therapeutic applications!
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for SFRP1 elisa kit

Principle of the assay: SFRP1 ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-SFRP1 antibody and an SFRP1-HRP conjugate. The assay sample and buffer are incubated together with SFRP1-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 SFRP1 concentration since SFRP1 from samples and SFRP1-HRP conjugate compete for the anti-SFRP1 antibody binding site. Since the number of sites is limited, as more sites are occupied by SFRP1 from the sample, fewer sites are left to bind SFRP1-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The SFRP1 concentration in each sample is interpolated from this standard curve.

NCBI AND UNIPROT INFORMATION

NCBI GI #	65301472
NCBI GeneID	20377
NCBI Accession #	NP_038862.2
NCBI GenBank Nucleotide #	NM_013834.3
Molecular Weight	35,413 Da
NCBI Official Full Name	secreted frizzled-related protein 1
NCBI Official Synonym Full Names	secreted frizzled-related protein 1
NCBI Official Symbol	Sfrp1
NCBI Official Synonym Symbols	sFRP-1; AW011917; AW107218; AW742929; 2210415K03Rik
NCBI Protein Information	secreted frizzled-related protein 1; secreted frizzled-related sequence protein 1
UniProt Protein Name	Secreted frizzled-related protein 1
UniProt Gene Name	Sfrp1
UniProt Synonym Gene Names	sFRP-1
UniProt Entry Name	SFRP1_MOUSE

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.