

Human Secreted Frizzled-Related Protein 5 (SFRP5) ELISA Kit | SFRP5 elisa kit

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CATALOG #
AAA330889

REACTIVITY
Human

PRODUCT SYNONYMS

Secreted Frizzled-Related Protein 5 (SFRP5); Human Secreted Frizzled-Related Protein 5 (SFRP5) ELISA Kit; SFRP5; SARP3; secreted apoptosis related protein 3; SFRP5 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Human Secreted frizzled-related protein 5 (SFRP5) ELISA Kit has high sensitivity and excellent specificity for detection of Human SFRP5. No significant cross-reactivity or interference between Human SFRP5 and analogues was observed.
Sequence Length	317
Assay Type	Sandwich ELISA (Quantitative)
Samples	Cell Culture Supernatants, Serum, Plasma, Other Biological Fluids
Detection Method	Colorimetric
Usage Notes	* Do not mix components from different kit lots or use reagents beyond the kit expiration date. * Allow all reagents to warm to room temperature for at least 30 minutes before opening. * Pre-rinse the pipet tip with reagent, use fresh pipet tips for each sample, standard and reagent to avoid contamination. * Unused wells must be kept desiccated at 4 degree C in the sealed bag provided. * Mix Thoroughly is very important for the result. It is recommended using low frequency oscillator or slight hand shaking every 10 minutes. * It is recommended that all samples and standards be assayed in duplicate or triplicate.
Preparation and Storage	Store at 2-8 degree C.

IMAGES



Standard Curve (Sample)

Fig.1. Human Secreted frizzled-related protein 5 (SFRP5) Standard Curve.

ADDITIONAL INFORMATION

Related Product Information for SFRP5 elisa kit	Description: This Human Secreted frizzled-related protein 5 (SFRP5) ELISA Kit employs a two-site sandwich ELISA to quantitate SFRP5 in samples. An antibody specific for SFRP5 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any SFRP5 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for SFRP5 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 SFRP5 bound in the initial step. The color development is stopped and the intensity of the color is measured. Background: SFRP5 is a member of the SFRP family that contains a cysteine-rich domain homologous to the putative Wnt-binding site of Frizzled proteins. SFRPs act as soluble modulators of Wnt signaling. SFRP5 and SFRP1 may be involved in determining the polarity of photoreceptor cells in the retina. SFRP5 is highly expressed in the retinal pigment epithelium, and moderately expressed in the pancreas. Soluble frizzled-related proteins (sFRPS) function as modulators of Wnt signaling through direct interaction with Wnts. They have a role in regulating cell growth and differentiation in specific cell types. SFRP5 may be involved in determining the polarity of photoreceptor, and perhaps, other cells in the retina.Highly expressed in the retinal pigment epithelium (RPE) and pancreas. Weak expression in heart, liver and muscle.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	188528609
NCBI GeneID	6425
NCBI Accession #	NP_003006.2
NCBI GenBank Nucleotide #	NP_003006.2
UniProt Accession #	Q5T4F7
NCBI Official Full Name	secreted frizzled-related protein 5
NCBI Official Synonym Full Names	secreted frizzled related protein 5
NCBI Official Symbol	SFRP5
NCBI Official Synonym Symbols	SARP3
NCBI Protein Information	secreted frizzled-related protein 5
UniProt Protein Name	Secreted frizzled-related protein 5
UniProt Gene Name	SFRP5
UniProt Synonym Gene Names	FRP1B; SARP3; sFRP-5; FRP-1b; SARP-3
UniProt Entry Name	SFRP5_HUMAN

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.