

Human Serglycin (SRGN) ELISA Kit | SRGN elisa kit

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CATALOG #
AAA330574

REACTIVITY
Human

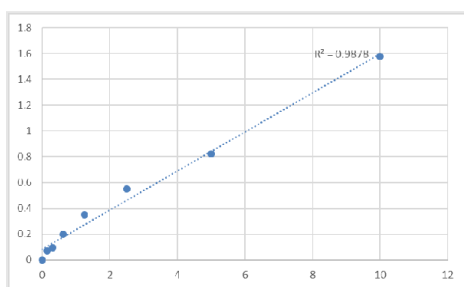
PRODUCT SYNONYMS

Serglycin (SRGN); Human Serglycin (SRGN) ELISA Kit; SRGN; FLJ12930; MGC9289; PPG; PRG; PRG1; hematopoietic proteoglycan core peptide; platelet proteoglycan protein core; proteoglycan 1; secretory granule; proteoglycan protein core for mast cell secretory granu; SRGN elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Human Serglycin (SRGN) ELISA Kit has high sensitivity and excellent specificity for detection of Human SRGN. No significant cross-reactivity or interference between Human SRGN and analogues was observed.
Sequence Length	158
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 Serglycin (SRGN) Standard Curve.

ADDITIONAL INFORMATION

Related Product Information for SRGN elisa kit	Description: This Human Serglycin (SRGN) ELISA Kit employs a two-site sandwich ELISA to quantitate SRGN in samples. An antibody specific for SRGN has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any SRGN present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for SRGN 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 SRGN bound in the initial step. The color development is stopped and the intensity of the color is measured. Background: Serglycin is a protein best known as a hematopoietic cell granule proteoglycan. Proteoglycans stored in the secretory granules of many hematopoietic cells also contain a protease-resistant peptide core, which may be important for neutralizing hydrolytic enzymes. This encoded protein was found to be associated with the macromolecular complex of granzymes and perforin, which may serve as a mediator of granule-mediated apoptosis. Serglycin plays a role in formation of mast cell secretory granules and mediates storage of various compounds in secretory vesicles. Required for storage of some proteases in both connective tissue and mucosal mast cells and for storage of granzyme B in T lymphocytes. Plays a role in localizing neutrophil elastase in azurophil granules of neutrophils. Mediates processing of MMP2.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	45935371
NCBI GeneID	5552
NCBI Accession #	NP_002718.2
NCBI GenBank Nucleotide #	NP_002718.2
UniProt Accession #	P10124
NCBI Official Full Name	serglycin isoform 1
NCBI Official Synonym Full Names	serglycin
NCBI Official Symbol	SRGN
NCBI Official Synonym Symbols	PPG; PRG; PRG1
NCBI Protein Information	serglycin
UniProt Protein Name	Serglycin
UniProt Gene Name	SRGN
UniProt Synonym Gene Names	PRG; PRG1; P.PG
UniProt Entry Name	SRGN_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.

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Online datasheet: <https://stage.aaabiotech.com/human-elisa-kits/serglycin-srgn/330574>