

Human Perforin-1 (PRF1/PFP) ELISA Kit | PRF1/PFP elisa kit

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CATALOG #
AAA331348

REACTIVITY
Human

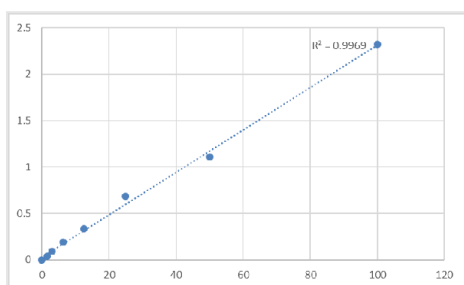
PRODUCT SYNONYMS

Perforin-1 (PRF1/PFP); Human Perforin-1 (PRF1/PFP) ELISA Kit; PRF1; RP11-710A11.3; FLH2; HPLH2; MGC65093; P1; PFN1; PFP; OTTHUMP00000019759; cytolyisin; lymphocyte pore forming protein; perforin 1; PRF1/PFP elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Human Perforin-1 (PRF1/PFP) ELISA Kit has high sensitivity and excellent specificity for detection of Human PRF1. No significant cross-reactivity or interference between Human PRF1 and analogues was observed.
Sequence Length	555
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 Perforin-1 (PRF1/PFP) Standard Curve.

ADDITIONAL INFORMATION

Related Product Information for PRF1/PFP elisa kit	Description: This Human Perforin-1 (PRF1/PFP) ELISA Kit employs a two-site sandwich ELISA to quantitate PRF1 in samples. An antibody specific for PRF1 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any PRF1 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for PRF1 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 PRF1 bound in the initial step. The color development is stopped and the intensity of the color is measured. Background: Perforin is a cytolytic protein found in the granules of CD8 T-cells and NK cells. Perforin is a cytolytic protein found in the granules of Cytotoxic T lymphocytes (CTLs) and NK cells. Upon degranulation, perforin inserts itself into the target cell's plasma membrane, forming a pore. The lytic membrane-inserting part of perforin is the MACPF domain. This region shares homology with cholesterol-dependent cytolysins from Gram-positive bacteria. Perforin has structural and functional similarities to complement component 9 (C9). Like C9, this protein creates transmembrane tubules and is capable of lysing non-specifically a variety of target cells. This protein is one of the main cytolytic proteins of cytolytic granules, and it is known to be a key effector molecule for T-cell- and natural killer-cell-mediated cytotoxicity.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	133908621
NCBI GeneID	5551
NCBI Accession #	NP_001076585.1
NCBI GenBank Nucleotide #	NP_001076585.1
UniProt Accession #	P14222
NCBI Official Full Name	perforin-1
NCBI Official Synonym Full Names	perforin 1
NCBI Official Symbol	PRF1
NCBI Official Synonym Symbols	P1; PFP; HPLH2
NCBI Protein Information	perforin-1
UniProt Protein Name	Perforin-1
UniProt Gene Name	PRF1
UniProt Synonym Gene Names	PFP; P1; PFP
UniProt Entry Name	PERF_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/perforin-1-prf1-pfp/331348>