

Human Interleukin 33/ST2 ELISA Kit | IL-33/ST2 elisa kit

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CATALOG #
AAA16681

REACTIVITY
Human

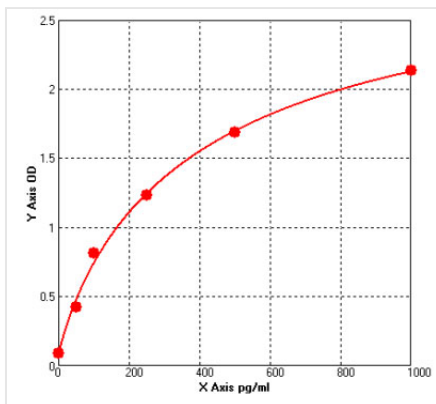
PRODUCT SYNONYMS

Interleukin 33/ST2; Human Interleukin 33/ST2 ELISA Kit; Human Interleukin 33/ST2ELISA Kit; Interleukin 33/ST2 ELISA Kit (Human); IL-33/ST2 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of L-33/ST2. No significant cross-reactivity or interference between L-33/ST2 and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between L-33/ST2 and all the analogues, therefore, cross reaction may still exist in some cases.
Assay Type	Quantitative Sandwich
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
Sensitivity	1.0pg/mL
Preparation and Storage	Store all reagents at 2-8 degree C

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for IL-33/ST2 elisa kit	Principle of the Assay: L-33/ST2 ELISA kit applies the quantitative sandwich enzyme immunoassay technique. The microtiter plate has been pre-coated with a monoclonal antibody specific for L-33/ST2. Standards or samples are then added to the microtiter plate wells and L-33/ST2 if present, will bind to the antibody pre-coated wells. In order to quantitatively determine the amount of L-33/ST2 present in the sample, a standardized preparation of horseradish peroxidase (HRP)-conjugated polyclonal antibody, specific for L-33/ST2 are added to each well to "sandwich" the L-33/ST2 immobilized on the plate. The microtiter plate undergoes incubation, and then the wells are thoroughly washed to remove all unbound components. Next, substrate solutions are added to each well. The enzyme (HRP) and substrate are allowed to react over a short incubation period. Only those wells that contain L-33/ST2 and enzyme-conjugated antibody will exhibit a change in color. The enzyme-substrate reaction is terminated by addition of a sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450 nm. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The L-33/ST2 concentration in each sample is interpolated from this standard curve. Intended Uses: This L-33/ST2 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Human L-33/ST2. This ELISA kit for research use only, not for therapeutic or diagnostic applications!
Product Categories/Family for IL-33/ST2 elisa kit	Human ELISA Kit

NCBI AND UNIPROT INFORMATION

NCBI GI #	314122337
NCBI GeneID	90865
NCBI Accession #	NP_001186570.1
NCBI GenBank Nucleotide #	NM_001199641.1
UniProt Accession #	O95760; Q2YEJ5; D3DRI5
Molecular Weight	30,759 Da
NCBI Official Full Name	interleukin-33 isoform 3
NCBI Official Synonym Full Names	interleukin 33
NCBI Official Symbol	IL33
NCBI Official Synonym Symbols	DVS27; IL1F11; NF-HEV; NFEHEV; C9orf26; DKFZp586H0523; RP11-575C20.2
NCBI Protein Information	interleukin-33; IL-33; IL-1F11; OTTHUMP00000021041; DVS27-related protein; interleukin-1 family member 11; nuclear factor for high endothelial venules; nuclear factor from high endothelial venules
UniProt Protein Name	Interleukin-33
UniProt Gene Name	IL33
UniProt Synonym Gene Names	C9orf26; IL1F11; NFHEV
UniProt Entry Name	IL33_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.