

Human Interleukin 33 Receptor / ST2 ELISA Kit | IL-33R/st2 elisa kit

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CATALOG #
AAA247177

REACTIVITY
Human

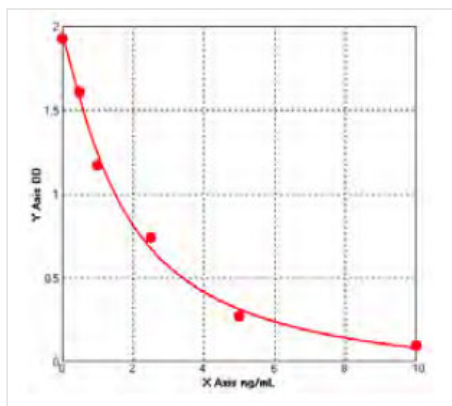
PRODUCT SYNONYMS

Interleukin 33 Receptor / ST2; Human Interleukin 33 Receptor / ST2 ELISA Kit; IL33R; Interleukin 33r; Interleukin 33 receptor; Interleukin-1 receptor-like 1; ST2 protein; IL-33R/st2 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of IL-33R. No significant cross-reactivity or interference between IL-33R and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between IL-33R and all the analogues, therefore, cross reaction may still exist in some cases.
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
Assay Type	Quantitative Competitive
Sensitivity	0.1 ng/mL

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for IL-33R/st2 elisa kit	Intended Uses: This IL-33R ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of HumanIL-33R. This ELISA kit for research use only, not for therapeutic or test applications! Principle of the Assay: IL-33R ELISA kit applies the competitive enzyme immunoassay technique utilizing a polyclonal anti-IL-33R antibody and an IL-33R-HRP conjugate. The assay sample and buffer are incubated together with IL-33R-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 IL-33R concentration since IL-33R from samples and IL-33R-HRP conjugate compete for the anti-IL-33R antibody binding site. Since the number of sites is limited, as more sites are occupied by IL-33R from the sample, fewer sites are left to bind IL-33R-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The IL-33R concentration in each sample is interpolated from this standard curve.
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NCBI AND UNIPROT INFORMATION

UniProt Accession #	Q01638
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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://www.aaabiotech.com/il-33r-st2-human-elisa-kits/interleukin-33-receptor-st2/247177>