

Guinea Pig Interleukin 33 ELISA Kit | IL-33 elisa kit

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CATALOG #
AAA82104

REACTIVITY
Guinea Pig

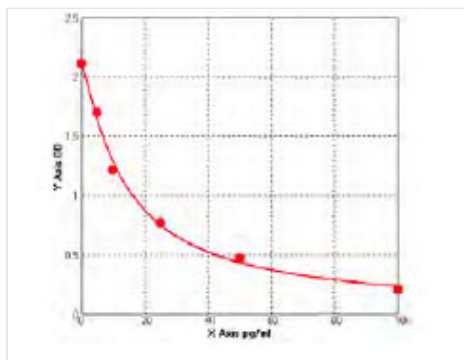
PRODUCT SYNONYMS

Interleukin 33; Guinea pig Interleukin 33 ELISA Kit; IL-33 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Guinea Pig
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Sandwich
Detection Range	50-1000pg/mL?
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 elisa kit

Intended Uses: This IL-33 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Guinea pig IL-33. This ELISA kit for research use only!

Principle of the Assay: IL-33 ELISA kit applies the competitive enzyme immunoassay technique utilizing a polyclonal anti-IL-33 antibody and an IL-33-HRP conjugate. The assay sample and buffer are incubated together with IL-33-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-33 concentration since IL-33 from samples and IL-33-HRP conjugate compete for the anti-IL-33 antibody binding site. Since the number of sites is limited, as more sites are occupied by IL-33 from the sample, fewer sites are left to bind IL-33-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The IL-33 concentration in each sample is interpolated from this standard curve.

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.