

Human Interleukin 2 Receptor Gamma (IL2Rg) ELISA Kit | IL2Rg elisa kit

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CATALOG #
AAA129620

REACTIVITY
Human

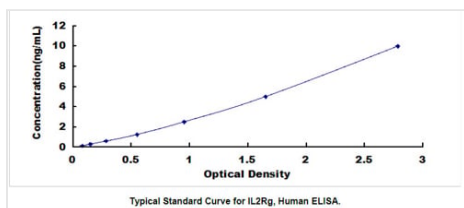
PRODUCT SYNONYMS

Interleukin 2 Receptor Gamma (IL2Rg); Human Interleukin 2 Receptor Gamma (IL2Rg) ELISA Kit; CD132; IL2R-g; IL2-RG; IMD4; p64; SCIDX; SCIDX1; Cytokine Receptor Common Gamma Chain; Severe Combined Immunodeficiency; IL2Rg elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of Interleukin 2 Receptor Gamma (IL2Rg). No significant cross-reactivity or interference between Interleukin 2 Receptor Gamma (IL2Rg) and analogues was observed.
Sequence Length	369
Assay Type	Double-antibody Sandwich
Samples	Serum, Plasma, Tissue homogenates, Cell lysates, Cell culture supernates and other biological fluids
Detection Range	0.156-10ng/mL
Sensitivity	0.057ng/mL
Application	Enzyme-linked immunosorbent assay for Antigen Detection.
Intra-assay Precision (Precision within an assay)	3 samples with low, middle and high level Interleukin 2 Receptor Gamma (IL2Rg) were tested 20 times on one plate, respectively.
Inter-assay Precision (Precision between assays)	3 samples with low, middle and high level Interleukin 2 Receptor Gamma (IL2Rg) were tested on 3 different plates, 8 replicates in each plate.
CV(%) =	SD/meanX100
Intra-Assay	CV<10%
Inter-Assay	CV<12%
Preparation and Storage	The stability of kit is determined by the loss rate of activity. The loss rate of this kit is less than 5% within the expiration date under appropriate storage condition. To minimize extra influence on the performance, operation procedures and lab conditions, especially room temperature, air humidity, incubator temperature should be strictly controlled. It is also strongly suggested that the whole assay is performed by the same operator from the beginning to the end.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for IL2Rg elisa kit	The test principle applied in this kit is Sandwich enzyme immunoassay. The microtiter plate provided in this kit has been pre-coated with an antibody specific to Interleukin 2 Receptor Gamma (IL2Rg). Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody specific to Interleukin 2 Receptor Gamma (IL2Rg). Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. After TMB substrate solution is added, only those wells that contain Interleukin 2 Receptor Gamma (IL2Rg), biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450nm ± 10nm. The concentration of Interleukin 2 Receptor Gamma (IL2Rg) in the samples is then determined by comparing the O.D. of the samples to the standard curve.
Product Categories/Family for IL2Rg elisa kit	Signal transduction; Infection immunity; Immunodeficiency

NCBI AND UNIPROT INFORMATION

NCBI GI #	307058
NCBI GeneID	3561
UniProt Accession #	P31785; Q5FC12
Molecular Weight	20,088 Da
NCBI Official Full Name	interleukin 2 receptor gamma chain
NCBI Official Synonym Full Names	interleukin 2 receptor, gamma
NCBI Official Symbol	IL2RG
NCBI Official Synonym Symbols	P64; CIDX; IMD4; CD132; SCIDX; IL-2RG; SCIDX1
NCBI Protein Information	cytokine receptor common subunit gamma
UniProt Protein Name	Cytokine receptor common subunit gamma
UniProt Gene Name	IL2RG
UniProt Synonym Gene Names	IL-2 receptor subunit gamma; IL-2R subunit gamma; IL-2RG
UniProt Entry Name	IL2RG_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/interleukin-2-receptor-gamma-il2rg/129620>