

Human T-Cell, Immune Regulator 1 (TCIRG1) ELISA Kit | TCIRG1 elisa kit

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CATALOG #
AAA65313

REACTIVITY
Human

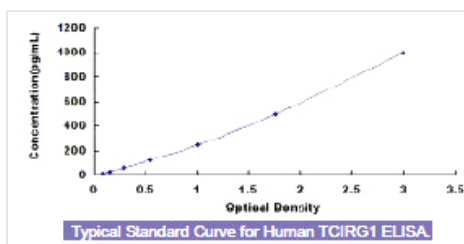
PRODUCT SYNONYMS

T-Cell; Immune Regulator 1 (TCIRG1); Human T-Cell; Immune Regulator 1 (TCIRG1) ELISA Kit; Stv1; Vph1; ATP6N1C; ATP6V0A3; Atp6i; OC-116kDa; OC116; OPTB1; TIRC7; a3; V-Type Proton ATPase 116 kDa Subunit A Isoform 3; Osteoclastic proton pump 116 kDa subunit; TCIRG1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of TCIRG1. No significant cross-reactivity or interference between TCIRG1 and analogues was observed.
Sequence Length	830
Samples	Serum and other biological fluids.
Assay Type	Sandwich
Detection Range	15.625-1000pg/mL
Sensitivity	8.3pg/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level TCIRG1 were tested 20 times on one plate, respectively. Intra-Assay: CV<10%
Inter-assay Precision	Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level TCIRG1 were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%
Preparation and Storage	For unopened kit, all reagents should be kept according to the labels on vials. The TMB Substrate, Wash Buffer, Stop Solution should be stored at 4 degree C. All others should be stored at -20 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for TCIRG1 elisa kit	Intended Uses: The kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of TCIRG1 in human serum and other biological fluids. Principle of the Assay: The microtiter plate provided in this kit has been pre-coated with an antibody specific to TCIRG1. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation specific to TCIRG1. 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 TCIRG1, 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 TCIRG1 in the samples is then determined by comparing the O.D. of the samples to the standard curve.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	19924145
NCBI GeneID	10312
NCBI Accession #	NP_006010.2
NCBI GenBank Nucleotide #	NM_006019.3
UniProt Accession #	Q13488; O75877; Q8WVC5
Molecular Weight	68,776 Da
NCBI Official Full Name	V-type proton ATPase 116 kDa subunit a isoform 3 isoform a
NCBI Official Synonym Full Names	T-cell immune regulator 1, ATPase H+ transporting V0 subunit a3
NCBI Official Symbol	TCIRG1
NCBI Official Synonym Symbols	a3; Stv1; Vph1; Atp6i; OC116; OPTB1; TIRC7; ATP6N1C; ATP6V0A3; OC-116kDa
NCBI Protein Information	V-type proton ATPase 116 kDa subunit a isoform 3
UniProt Protein Name	V-type proton ATPase 116 kDa subunit a isoform 3
UniProt Gene Name	TCIRG1
UniProt Synonym Gene Names	ATP6N1C; ATP6V0A3; V-ATPase 116 kDa isoform a3; OC-116 kDa; OC116; TIRC7

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/t-cell-immune-regulator-1-tcirg1/65313>