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

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

CATALOG #	REACTIVITY
AAA139204	**Human**

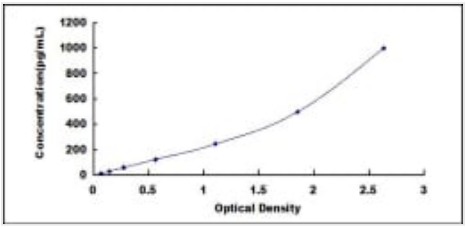
PRODUCT SYNONYMS

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 T-Cell, Immune Regulator 1 (TCIRG1). No significant cross-reactivity or interference between T-Cell, Immune Regulator 1 (TCIRG1) and analogues was observed.
Sequence Length	614
Assay Type	Double-antibody Sandwich
Samples	Tissue Homogenates, Cell Lysates 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 T-Cell, Immune Regulator 1 (TCIRG1) were tested 20 times on one plate, respectively.
Inter-assay Precision (Precision between assays)	3 samples with low, middle and high level T-Cell, Immune Regulator 1 (TCIRG1) 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 TCIRG1 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 T-Cell, Immune Regulator 1 (TCIRG1). Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody specific to T-Cell, Immune Regulator 1 (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 T-Cell, Immune Regulator 1 (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 T-Cell, Immune Regulator 1 (TCIRG1) in the samples is then determined by comparing the O.D. of the samples to the standard curve.
Product Categories/Family for TCIRG1 elisa kit	Infection immunity

NCBI AND UNIPROT INFORMATION

NCBI GI #	51980727
NCBI GeneID	10312
UniProt Accession #	Q13488; O75877; Q8WVC5
Molecular Weight	68,776 Da
NCBI Official Full Name	T-cell immune regulator 1 transcript variant 4, partial
NCBI Official Synonym Full Names	T-cell, immune regulator 1, ATPase, H+ transporting, lysosomal 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
UniProt Entry Name	VPP3_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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: https://www.aaabiotech.com/human-elisa-kits/t-cell-immune-regulator-1-tcirg1/139204