

Human MARVEL Domain-Containing Protein 2 (MARVELD2) ELISA Kit | MARVELD2 elisa kit

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CATALOG #
AAA331870

REACTIVITY
Human

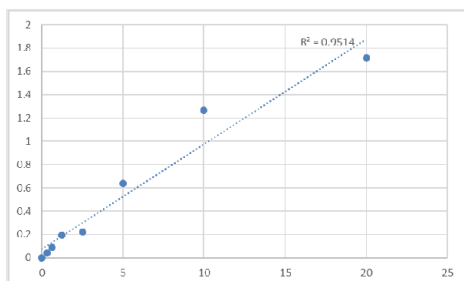
PRODUCT SYNONYMS

MARVEL Domain-Containing Protein 2 (MARVELD2); Human MARVEL Domain-Containing Protein 2 (MARVELD2) ELISA Kit; DFNB49; FLJ30532; MARVD2; MRVLDC2; Tric; MARVEL (membrane-associating) domain containing 2; tricellulin; MARVELD2 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Human MARVEL domain-containing protein 2 (MARVELD2) ELISA Kit has high sensitivity and excellent specificity for detection of Human MARVELD2. No significant cross-reactivity or interference between Human MARVELD2 and analogues was observed.
Sequence Length	558
Assay Type	Sandwich ELISA (Quantitative)
Samples	Cell Culture Supernatants, Serum, Plasma, Other Biological Fluids
Detection Method	Colorimetric
Usage Notes	* Do not mix components from different kit lots or use reagents beyond the kit expiration date. * Allow all reagents to warm to room temperature for at least 30 minutes before opening. * Pre-rinse the pipet tip with reagent, use fresh pipet tips for each sample, standard and reagent to avoid contamination. * Unused wells must be kept desiccated at 4 degree C in the sealed bag provided. * Mix Thoroughly is very important for the result. It is recommended using low frequency oscillator or slight hand shaking every 10 minutes. * It is recommended that all samples and standards be assayed in duplicate or triplicate.
Preparation and Storage	Store at 2-8 degree C.

IMAGES



Standard Curve (Sample)

Fig.1. Human MARVEL domain-containing protein 2 (MARVELD2) Standard Curve.

ADDITIONAL INFORMATION

Related Product Information for MARVELD2 elisa kit	Description: This Human MARVEL domain-containing protein 2 (MARVELD2) ELISA Kit employs a two-site sandwich ELISA to quantitate MARVELD2 in samples. An antibody specific for MARVELD2 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any MARVELD2 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for MARVELD2 is added to the wells. After washing, Streptavidin conjugated Horseradish Peroxidase (HRP) is added to the wells. Following a wash to remove any unbound avidin-enzyme reagent, a substrate solution is added to the wells and color develops in proportion to the amount of MARVELD2 bound in the initial step. The color development is stopped and the intensity of the color is measured. Background: MARVELD2, or tricellulin (TRIC), is an integral membrane protein concentrated at the vertically oriented TJ strands of tricellular contacts. The 555-amino acid protein contains cytoplasmic N and C termini, 2 transmembrane domains, and 2 extracellular loops. Northern blot analysis detected high expression of Tric in epithelium-derived tissues, including small intestine, kidney, and lung. Western blot analysis of mouse epithelial cell lines revealed an approximately 66-kD protein, as well as larger phosphorylated intracellular forms. Immunofluorescence microscopy showed expression of Tric predominantly at tricellular contacts where occludin (OCLN)-positive bicellular TJs converged. Tric-positive structures appeared as short rods through confocal microscopy.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	289666784
NCBI GeneID	153562
NCBI Accession #	NP_001033692.2
NCBI GenBank Nucleotide #	NP_001033692.2
UniProt Accession #	Q8N4S9
NCBI Official Full Name	MARVEL domain-containing protein 2 isoform 1
NCBI Official Synonym Full Names	MARVEL domain containing 2
NCBI Official Symbol	MARVELD2
NCBI Official Synonym Symbols	Tric; DFNB49; MARVD2; MRVLDC2
NCBI Protein Information	MARVEL domain-containing protein 2
UniProt Protein Name	MARVEL domain-containing protein 2
UniProt Gene Name	MARVELD2
UniProt Synonym Gene Names	TRIC
UniProt Entry Name	MALD2_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.