

Human Leucine-Rich Repeat-Containing Protein 4 (LRRC4) ELISA Kit | LRRC4 elisa kit

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CATALOG #
AAA331925

REACTIVITY
Human

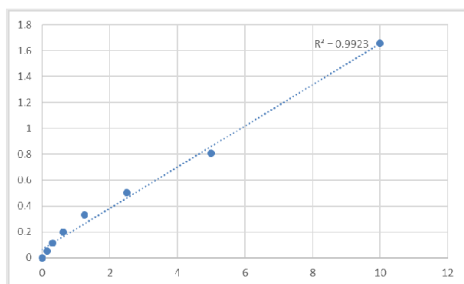
PRODUCT SYNONYMS

Leucine-Rich Repeat-Containing Protein 4 (LRRC4); Human Leucine-Rich Repeat-Containing Protein 4 (LRRC4) ELISA Kit; LRRC4; MGC133342; MGC133343; NAG14; brain tumor associated protein LRRC4; leucine-rich repeat-containing 4; LRRC4 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Human Leucine-rich repeat-containing protein 4 (LRRC4) ELISA Kit has high sensitivity and excellent specificity for detection of Human LRRC4. No significant cross-reactivity or interference between Human LRRC4 and analogues was observed.
Sequence Length	653
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 Leucine-rich repeat-containing protein 4 (LRRC4) Standard Curve.

ADDITIONAL INFORMATION

Related Product Information for LRRC4 elisa kit	Description: This Human Leucine-rich repeat-containing protein 4 (LRRC4) ELISA Kit employs a two-site sandwich ELISA to quantitate LRRC4 in samples. An antibody specific for LRRC4 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any LRRC4 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for LRRC4 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 LRRC4 bound in the initial step. The color development is stopped and the intensity of the color is measured. Background: LRRC4B is a synaptic adhesion protein. It regulates the formation of excitatory synapses. The trans-synaptic adhesion between LRRC4B and LAR regulates excitatory synapse formation in a bidirectional manner. LRRC4 are post-synaptic adhesion molecules of the LRR protein family that induce excitatory synapse formation. Mature LRRC4 family members are type I transmembrane proteins with an extracellular region that contains nine LRRs, a C2-type Ig-like domain, and a Thr-rich segment. LRRC4 family members share ~55% aa identity, but each recognizes different ligands. LRRC4 and LRRC4C recognize Netrin-G2 and Netrin-G3, respectively, while LRRC4B recognizes the receptor tyrosine phosphatases LAR/PTPRF, PTPR delta and PTPR sigma.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	15029530
NCBI GeneID	64101
NCBI Accession #	NP_071426.1
NCBI GenBank Nucleotide #	NP_071426.1
UniProt Accession #	Q9HBW1
NCBI Official Full Name	leucine-rich repeat-containing protein 4
NCBI Official Synonym Full Names	leucine rich repeat containing 4
NCBI Official Symbol	LRRC4
NCBI Official Synonym Symbols	NAG14; NGL-2
NCBI Protein Information	leucine-rich repeat-containing protein 4
UniProt Protein Name	Leucine-rich repeat-containing protein 4
UniProt Gene Name	LRRC4
UniProt Synonym Gene Names	BAG; NGL-2
UniProt Entry Name	LRRC4_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/leucine-rich-repeat-containing-protein-4-lrrc4/331925>