

Human Neurocalcin-delta (NCALD) ELISA Kit | NCALD elisa kit

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CATALOG #
AAA331516

REACTIVITY
Human

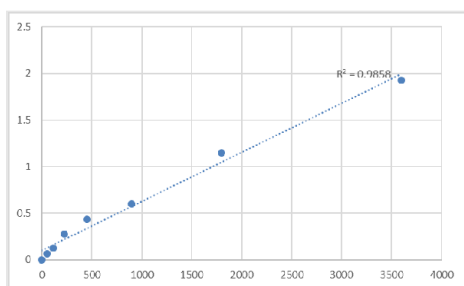
PRODUCT SYNONYMS

Neurocalcin-delta (NCALD); Human Neurocalcin-delta (NCALD) ELISA Kit; MGC33870; MGC74858; NCALD elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Human Neurocalcin-delta (NCALD) ELISA Kit has high sensitivity and excellent specificity for detection of Human NCALD. No significant cross-reactivity or interference between Human NCALD and analogues was observed.
Sequence Length	193
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 Neurocalcin-delta (NCALD) Standard Curve.

ADDITIONAL INFORMATION

Related Product Information for NCALD elisa kit	Description: This Human Neurocalcin-delta (NCALD) ELISA Kit employs a two-site sandwich ELISA to quantitate NCALD in samples. An antibody specific for NCALD has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any NCALD present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for NCALD 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 NCALD bound in the initial step. The color development is stopped and the intensity of the color is measured. Background: NCALD encodes a member of the neuronal calcium sensor (NCS) family of calcium-binding proteins. Neurocalcin-delta contains an N-terminal myristoylation signal and four EF-hand calcium binding loops. Neurocalcin-delta is cytosolic at resting calcium levels; however, elevated intracellular calcium levels induce a conformational change that exposes the myristoyl group, resulting in protein association with membranes and partial co-localization with the perinuclear trans-golgi network. Neurocalcin-delta is thought to be a regulator of G protein-coupled receptor signal transduction. Several alternatively spliced variants of NCALD have been determined, all of which encode the same protein; additional variants may exist but their biological validity has not been determined.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	47606440
NCBI GeneID	83988
UniProt Accession #	P61601
NCBI Official Full Name	Neurocalcin-delta
NCBI Official Synonym Full Names	neurocalcin delta
NCBI Official Symbol	NCALD
NCBI Protein Information	neurocalcin-delta
UniProt Protein Name	Neurocalcin-delta
UniProt Gene Name	NCALD
UniProt Entry Name	NCALD_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.