Datasheet for ABIN2703287
L1CAM ELISA Kit

1	Image

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Overview

Quantity:	96 tests
Target:	L1CAM
Reactivity:	Human
Method Type:	Sandwich ELISA
Detection Range:	0.8-200 pg/mL
Minimum Detection Limit:	0.8 pg/mL
Application:	ELISA

Product Details

Purpose:	Human L1CAM (NCAM-L1) ELISA Kit for Cell Culture Supernatants, Plasma, and Serum samples.
Sample Type:	Cell Culture Supernatant, Plasma, Serum
Analytical Method:	Quantitative
Detection Method:	Colorimetric
Specificity:	This ELISA antibody pair recognizes human L1CAM. Other species not yet determined.
Sensitivity:	0.8 pg/mL
Characteristics:	• Strip plates and additional reagents allow for use in multiple experiments • Quantitative protein detection • Establishes normal range • The best products for confirmation of antibody array data

Product Details

Components:	• Pre-Coated 96-well Strip Microplate • Wash Buffer • Stop Solution • Assay Diluent(s) • Lyophilized Standard • Biotinylated Detection Antibody • Streptavidin-Conjugated HRP • TMB One-Step Substrate
Material not included:	• Distilled or deionized water • Precision pipettes to deliver 2 μL to 1 μL volumes • Adjustable 1-25 μL pipettes for reagent preparation • 100 μL and 1 liter graduated cylinders • Tubes to prepare standard and sample dilutions • Absorbent paper • Microplate reader capable of measuring absorbance at 450nm • Log-log graph paper or computer and software for ELISA data analysis

Target Details

Target:	L1CAM
Alternative Name:	L1CAM (L1CAM Products)
Background:	Gene Names: L1CAM CAML1 MIC5 Protein names: Neural cell adhesion molecule L1 (N-CAM-L1) (NCAM-L1) (CD antigen CD171)
Gene ID:	3897
UniProt:	P32004
Pathways:	Synaptic Membrane

Application Details

Application Notes:	Recommended Dilution for serum and plasma samples5,000,000 fold
Sample Volume:	100 μL
Plate:	Pre-coated
Protocol:	1. Prepare all reagents, samples and standards as instructed in the manual. 2. Add 100 μL of standard or sample to each well. 3. Incubate 2.5 h at RT or O/N at 4 °C. 4. Add 100 μL of prepared biotin antibody to each well.

Application Details

     5. Incubate 1 h at RT.

     6. Add 100 μL of prepared Streptavidin solution to each well.

     7. Incubate 45 min at RT.

     8. Add 100 μL of TMB One-Step Substrate Reagent to each well.

     9. Incubate 30 min at RT.

    10. Add 50 μL of Stop Solution to each well.

    11. Read at 450 nm immediately.

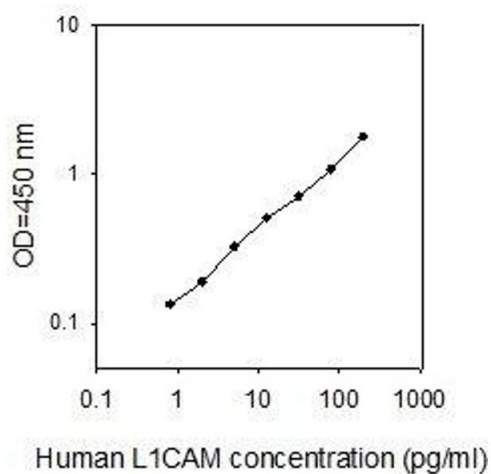|	
Sample Preparation:	For example, add 2 μL of serum or plasma into a tube with 198 μL 1X Assay Diluent to prepare a 100-fold diluted sample. Mix thoroughly and then pipette 2 μL of prepared 100-fold diluted sample into a tube with 198 μL 1X Assay Diluent to prepare a final 10,000-fold diluted sample. Mix through and then pipette 2 μL of prepared 10,000-fold diluted sample into a tube with 998 μL 1x Assay Diluent to prepare a final 5,000,000 fold diluted sample.
Restrictions:	For Research Use only

Handling

Storage:	-20 °C
Storage Comment:	The entire kit may be stored at -20°C for up to 1 year from the date of shipment. Avoid repeated freeze-thaw cycles. The kit may be stored at 4°C for up to 6 months. For extended storage, it is recommended to store at -80°C.
Expiry Date:	6 months

Images

ELISA

Image 1.