Datasheet for ABIN5658301

P2RX7 CLIA Kit

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Overview

Quantity:	96 tests
Target:	P2RX7
Reactivity:	Human
Method Type:	Sandwich ELISA
Detection Range:	78.12 pg/mL - 20000 pg/mL
Minimum Detection Limit:	78.12 pg/mL
Application:	ELISA

Product Details

Sample Type:	Tissue Homogenate
Analytical Method:	Quantitative
Detection Method:	Chemiluminescent
Specificity:	This assay has high sensitivity and excellent specificity for detection of Purinergic Receptor P2X, Ligand Gated Ion Channel 7 (P2RX7). No significant cross-reactivity or interference between Purinergic Receptor P2X, Ligand Gated Ion Channel 7 (P2RX7) and analogues was observed.
Sensitivity:	10.28 pg/mL

Target Details

Target:	P2RX7
Alternative Name:	Purinergic Receptor P2X, Ligand Gated Ion Channel 7 (P2RX7 Products)

Target Details

Background:	Gene Name: Purinergic Receptor P2X, Ligand Gated Ion Channel 7 Gene Aliases: P2X7, P2X Purinoceptor 7, ATP receptor, Purinergic receptor
Gene ID:	5027
UniProt:	Q99572
Pathways:	Regulation of Leukocyte Mediated Immunity, Positive Regulation of Immune Effector Process, Synaptic Vesicle Exocytosis

Application Details

Comment:	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.
Assay Time:	2 - 3 h
Plate:	Pre-coated
Protocol:	The microplate provided in this kit has been pre-coated with an antibody specific to Purinergic Receptor P2X, Ligand Gated Ion Channel 7 (P2RX7). Standards or samples are then added to the appropriate microplate wells with a biotin-conjugated antibody specific to Purinergic Receptor P2X, Ligand Gated Ion Channel 7 (P2RX7). Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. Then the mixture of substrate A and B is added to generate glow light emission kinetics. Upon plate development, the intensity of the emitted light is proportional to the Purinergic Receptor P2X, Ligand Gated Ion Channel 7 (P2RX7) level in the sample or standard.,
Assay Precision:	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level Purinergic Receptor P2X, Ligand Gated Ion Channel 7 (P2RX7) were tested 20 times on one plate, respectively Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level Purinergic Receptor P2X, Ligand Gated Ion Channel 7 (P2RX7) were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100 Intra-Assay: CV<10% Inter-Assay: CV<12%
Restrictions:	For Research Use only

Handling

Handling Advice:	Do not allow to contact skin or eyes. Calibrators, controls and specimen samples should be assayed in duplicate. Once the procedure has been started, all steps should be completed without interruption.
Storage:	4 °C,-20 °C
Storage Comment:	-20°C. Bring all reagents to room temperature before beginning test. The kit may be stored at 4°C for immediate use within two days upon arrival. Reseal any unused strips with desiccant pack. Minimize freeze/thaw cycles.
Expiry Date:	4-8 months