

Product Datasheet

Mouse Caspase-1 ELISA Kit (Colorimetric) NBP2-75014

Unit Size: 1 Kit

Storage of components varies. See protocol for specific instructions.

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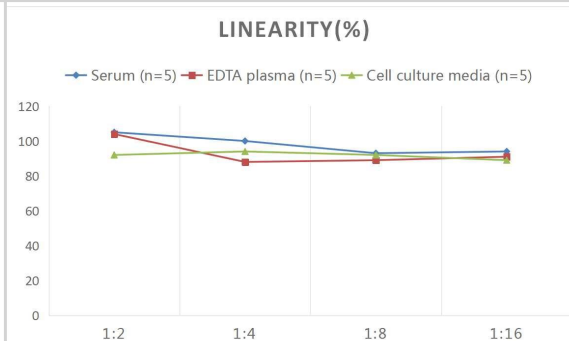


NBP2-75014**Mouse Caspase-1 ELISA Kit (Colorimetric)**

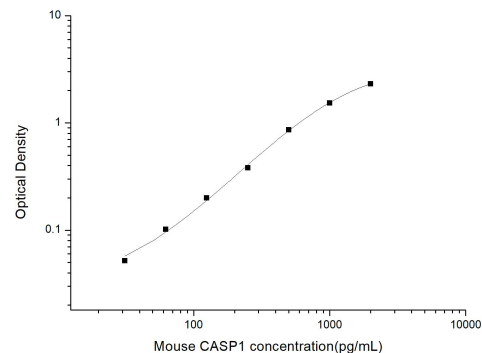
Product Information	
Unit Size	1 Kit
Concentration	Concentration is not relevant for this product. Please see the protocols for proper use of this product.
Storage	Storage of components varies. See protocol for specific instructions.
Product Description	
Gene ID	834
Gene Symbol	CASP1
Species	Mouse
Specificity/Sensitivity	Mouse Caspase-1 ELISA Kit (Colorimetric) recognizes Mouse CASP1 in samples. No significant cross-reactivity or interference between Mouse CASP1 and analogues was observed.
Kit Components	Micro ELISA Plate (Dismountable), Reference Standard, Concentrated Biotinylated Detection Ab (100x), Concentrated HRP Conjugate (100x), Sample Diluent, Biotinylated Detection Ab Diluent, HRP Conjugate Diluent, Concentrated Wash Buffer (25x), Substrate Reagent, Stop Solution, Plate Sealer, Product Manual
Standard Curve Range	31.25 - 2000 pg/mL
Sensitivity	18.75 pg/mL
Inter Assay	CV% < 4.94%
Intra Assay	CV% < 5.54%
Assay Type	Sandwich-ELISA
Spiking Recovery	87-108%
Suitable Sample Type	Serum, plasma and other biological fluids
Sample Volume	100 uL
Product Application Details	
Applications	ELISA
Recommended Dilutions	ELISA

Images

ELISA: Mouse Caspase-1 ELISA Kit (Colorimetric) [NBP2-75014] - Samples were spiked with high concentrations of Mouse Caspase-1 and diluted with Reference Standard & Sample Diluent to produce samples with values within the range of the assay.



ELISA: Mouse Caspase-1 ELISA Kit (Colorimetric) [NBP2-75014] - Standard Curve Reference



Publications

Park Y, Dodantenna N, Kim T et al. MARCH5-dependent NLRP3 ubiquitination is an essential step for NEK7 docking on the mitochondria bioRxiv 2023-01-12 (ELISA)

S Singh, IA Shaikh, SS More, MH Mahnashi, HM Almohaimee, M El-Sherbin, MM Ghoneim, A Umar, HK Soni, H Agrawal, BA Mannasaheb, AA Khan, UM Muddapur, SMS Iqbal Blockage of KHSRP-NLRP3 by MCC950 Can Reverse the Effect of Manganese-Induced Neuroinflammation in N2a Cells and Rat Brain International Journal of Molecular Sciences, 2022-10-30;23(21):. 2022-10-30 [PMID: 36362011]

Gravina G, Ardalan M, Chumak T et al. Transcriptome network analysis links perinatal Staphylococcus epidermidis infection to microglia reprogramming in the immature hippocampus Glia 2023-05-29 [PMID: 37246946] (ELISA)

Ammar RA, Mohamed AF, Kamal MM et al. Neuroprotective effect of liraglutide in an experimental mouse model of multiple sclerosis: role of AMPK/SIRT1 signaling and NLRP3 inflammasome Inflammopharmacology 2022-04-01 [PMID: 35364735] (ELISA)

Lee Jin-Seok, Kim Won-Young, Jeon Yoo-Jin et al. Antidepressant-Like Activity of Myelophil via Attenuation of Microglial-Mediated Neuroinflammation in Mice Undergoing Unpredictable Chronic Mild Stress. Frontiers in Pharmacology 2019-06-13 [PMID: 31263417] (ELISA, Mouse)



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Products Related to NBP2-75014

NB100-56564PEP	Caspase-1 Antibody Blocking Peptide
210-TA-005	TNF-alpha [Unconjugated]
NB100-56565	Caspase-1 Antibody (14F468) - BSA Free
M6000B-1	IL-6 [HRP]

Limitations

This product is for research use only and is not approved for use in humans or in clinical diagnosis. ELISA Kits are guaranteed for 6 months from date of receipt.

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