

Mouse Internexin Neuronal Intermediate Filament Protein Alpha (INa) ELISA Kit-Sandwich

Cat. No.: EK6F588

Product Type: Animal Immunoassay Kits

Size: 48T;96T

Product Overview

BioVenic Mouse Internexin Neuronal Intermediate Filament Protein Alpha (INa) ELISA Kit-Sandwich is designed for the quantitative determination of Mouse INa in serum, plasma, tissue homogenate, cell culture supernatant, cell lysate, and other biological fluids using a Sandwich ELISA method. For research use only.

Specifications

Assay Type	ELISA-Sandwich
Specificity	The assay kit is specific for Mouse Internexin Neuronal Intermediate Filament Protein Alpha (INa).
Target Species	Mouse
Species Reactivity	Mouse
Detection Range	0.17-10 ng/mL
Reproducibility	Intra-Assay: CV < 10%; Inter-Assay: CV < 12%
Assay Time	Around 90 min
Sample Requirement	Serum, plasma, tissue homogenate, cell culture supernatant, cell lysate, and other biological fluids.

Target Information

Alpha-internexin is a class IV neuronal intermediate filament capable of self-assembly and plays a role in neuron morphogenesis. It can establish an independent structural network or collaborate with NEFL to create a filamentous backbone, which NEFM and NEFH can attach to, forming cross-bridges. As one of the most abundant intermediate filament proteins in the mammalian central nervous system, its expression notably increases during development, particularly in the cerebral cortex and cerebellar granule cells. In adult mice, alpha-internexin is expressed primarily in mature neurons, including cerebellar granule cells, neocortical neurons, and neurons in thalamic nuclei.

Target/Biomarker	Mouse INa
Target Synonym	NEF5; NF-66; 66 kDa neurofilament protein; Neurofilament-66; Neurofilament 5
Gene ID	226180

Shipping and Storage

This product is shipped with gel ice packs. It is recommended to store at 2-8 °C (Up to 6 months).

The product is for research use only. Not for commercial, prophylactic, diagnostic, or therapeutic applications. Please determine the purpose of the product before purchasing. For further information and inquiry, please contact us.