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Datasheet for ABIN2745482

Granulin ELISA Kit

Overview

Quantity:	96 tests
Target:	Granulin (GRN)
Reactivity:	Mouse
Method Type:	Sandwich ELISA
Detection Range:	0.125-8 ng/mL
Minimum Detection Limit:	0.125 ng/mL
Application:	ELISA

Product Details

Sample Type:	Cell Culture Supernatant, Serum
Analytical Method:	Quantitative
Detection Method:	Colorimetric
Specificity:	Detects mouse progranulin.
Cross-Reactivity:	Mouse (Murine)
No Cross-Reactivity:	Human
Cross-Reactivity (Details):	Does not cross-react with human progranulin.
Sensitivity:	60 pg/mL
Characteristics:	Progranulin (mouse) ELISA Kit

Target Details

Target: Granulin (GRN)

Alternative Name: Progranulin ([GRN Products](#))

Target Type: Viral Protein

Background: Progranulin (PGRN) is a widely expressed pluripotent growth factor which plays a role in processes such as development, wound repair and inflammation by activating signaling cascades that control cell cycle progression and cell motility. Its function in the central nervous system is of interest, as mutations in the PGRN gene were found in cases of frontotemporal degeneration (FTLD). In addition, PGRN has also been linked to tumorigenesis. New cutting-edge publications have shown that progranulin might be a biomarker not only for FTLD, but also for other types of Alzheimer's disease (AD). This new data even supposes the potential of progranulin to be a biomarker for MCI (Mild Cognitive Impairment), which would be a hallmark in AD research. Additionally, PGRN is described as a new ligand of TNF receptors and a potential therapeutic against inflammatory disease like arthritis.

UniProt: [P28798](#)

Application Details

Plate: Pre-coated

Restrictions: For Research Use only

Handling

Storage: 4 °C

Storage Comment: Short Term Storage: +4°C
Long Term Storage: +4°C
12 months after the day of manufacturing. See expiry date on ELISA Kit box.