



NGF Rapid ELISA Kit: Human (2 Plates)

Catalogue No.: BEK-2212-2P

Description: The Biosensis NGF Rapid™ enzyme-linked immunosorbent assay (ELISA) Kit is a sandwich ELISA that allows the quantification of human NGF in less than 3 hours in cell culture supernatants, serum, plasma (citrate) and brain extracts only if used as directed. Please refer to the kit protocol for specific use instructions for each substrate application, in particular serum and plasma samples.

This ELISA kit consists of a pre-coated mouse monoclonal anti-NGF capture antibody, a biotinylated anti-NGF detection antibody and horseradish peroxidase (HRP)-conjugated streptavidin. The addition of a substrate (3,3',5,5'-tetramethylbenzidine, TMB) yields a colored reaction product which is directly proportional to the concentration of NGF present in samples and protein standards. A human NGF positive control (QC sample) is provided to assure consistent assay performance.

This NGF ELISA kit is designed to measure human NGF and thus employs a recombinant human NGF standard approved by the World Health Organization (WHO). Due to a high degree of NGF sequence homology, the antibodies used in this kit will also detect NGF from numerous other species including mouse and rat!

The antibodies used in this ELISA kit bind epitopes within the mature domain of the protein and therefore can recognize both the pro- and the mature form of NGF. However, internal validation data demonstrates

Related products: BL-005-500, Heterophilic antibody blocker: Sample diluent additive for accurate quantification of NGF in human citrate-plasma.

Batch No.: Refer to the product label.

Antigen: FUNCTION: Nerve growth factor is important for the development and maintenance of the sympathetic and sensory nervous systems. It stimulates division and differentiation of sympathetic and embryonic sensory neurons. SUBUNIT: Homodimer, associated by non-covalent forces. SUBCELLULAR LOCATION: Secreted protein. SIMILARITY: Belongs to the NGF-beta family.

Other Names: Beta-nerve growth factor; Ngfb

Accession: P01138 NGF_HUMAN

Specificity: Human

Cross-reactivity: The antibodies used in this ELISA kit bind epitopes within the mature domain of the protein and therefore can recognize both the pro- and the mature form of NGF. However, human proNGF protein shows

Storage: Store at 4°C

Expiry Date: 12 months from purchase.

FOR RESEARCH USE ONLY



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Specific References: Sherif IO & Al-Gayyar MMH (2018) Oleuropein potentiates anti-tumor activity of cisplatin against HepG2 through affecting proNGF/NGF balance. Life Sci. [Epub ahead of print].
Application: Human cell culture.

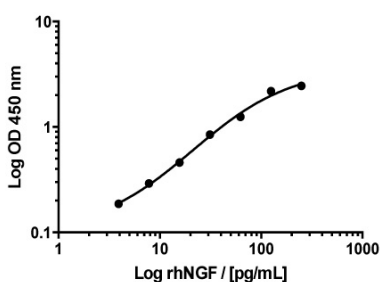
Kit components: The ELISA kit box contains 2 x 96 pre-coated strip plates, protein standards, QC sample, detection reagents, heterophilic antibody blocker, wash and sample buffers and detailed protocols.

Range: 3.9 - 250 pg/mL

Sensitivity: Typical limit of detection (LOD) for human NGF is 2 pg/mL determined as 150% of the blank value.

Kit protocol: Please refer to our online product listing for current protocol/MSDS versions.

MSDS: Please refer to our online product listing for current protocol/MSDS versions.



This standard curve generated in our laboratories is for demonstration purposes only, but can be used as a guide to expected performance. A standard curve should be generated for each assay.

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