

For Research Use Only

NeutraKine® Beta NGF Mouse McAb

Catalog Number: 69009-1-Ig



Basic Information

Catalog Number:

69009-1-Ig

Concentration:

Source:

Mouse

Isotype:

IgG1

Immunogen Catalog Number:

HZ-1222

GenBank Accession Number:

GeneID (NCBI):

4803

Full Name:

nerve growth factor (beta polypeptide)

Purification Method:

Protein G purification

CloneNo.:

4F9H1

Applications

Tested Applications:

Neutralization, ELISA

Species Specificity:

human

Positive Controls:

Neutralization: TF-1 cell, Measured by its ability to neutralize Human beta-NGF induced proliferation of TF-1 cell line (human erythroleukemic cell line). The half neutralization dose (ND50) is typically 4-20 ng/mL in the presence of 2 ng/mL human beta-NGF.

Background Information

Beta nerve growth factor (NGF) is critical for the survival and maintenance of sympathetic and sensory neurons and may play an important role in the regulation of the immune system (PMID 16842161). The presence of beta NGF in immune cells, endocrine cells, and the CNS limbic areas suggests that beta NGF may function as an intracellular messenger to regulate the body's response to stress (PMID 19442684).

This antibody can be used to neutralize the bioactivity of Beta NGF.

Storage

Storage:

Lyophilized antibodies are stable for 1 year from the date of receipt if stored between (-20°C) and (-80°C). Upon reconstitution we recommend that the solution can be stored at (4°C) for short term or at (-20°C) to (-80°C) for long term. Repeated freeze thaw cycles should be avoided with reconstituted products.

Storage Buffer:

Sterile PBS, pH7.4

Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:

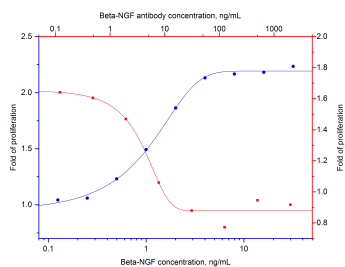
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This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data



Recombinant human beta-NGF (Cat.NO. HZ-1222) stimulates proliferation of TF-1 cell line (human erythroleukemic cell line) in a dose-dependent manner (blue curve, refer to bottom X-left Y). The activity of human beta-NGF (2 ng/mL HZ-1222) is neutralized by mouse anti-human beta-NGF monoclonal antibody 69009-1-Ig at serial dose (red curve, refer to top X-right Y). The ND50 is typically 4-20 ng/mL.