**AimPlex™ Analyte Kit**

**S4P11 - Human beta-NGF/NGFB (96 Tests)**

PN: B111101

**COMPONENTS**

**45x Ab-conjugated beads**  
(S4P11 - human beta-NGF ab-bead).  
PN: B111101A. One vial containing 100 µL of anti-human beta-NGF conjugated to AimPlex Bead S4P11.

**25x Biotin-detection Ab**  
(human beta-NGF Biotin-dAb).  
PN: B111101B. One vial containing 100 µL of biotinylated anti-human beta-NGF.

**Lyophilized Standard Mix-Human Group 4 Panel A, 9-Plex.**  
PN: HG4009A. One vial containing lyophilized recombinant human BDNF, beta-NGF, EGF, FGF basic, HGF, OPG, OPN, PDGF-AB and VEGF-C.  
Note: If multiple analyte kits on the above target list are ordered as a panel, only one vial of standard mix is supplied for those analyte kits.

**STORAGE:** 2-8°C in the dark.

**IMPORTANT:** Sodium azide forms explosive compounds with heavy metals. These products contain <0.05% (w/w) azide which with repeated contact with lead and copper commonly found in plumbing drains may result in the buildup of shock sensitive compounds. Dispose in accordance with regulations from your institute.

**APPLICATION:** Optimal antibody pair and antigen standard for assaying human beta-NGF/NGFB. Can be multiplexed with other analytes in Human Group 4. To be used in conjunction with the AimPlex NR Basic Kit (PN: P100001) and a diluent kit. Refer to the AimPlex Multiplex Immunoassay User Manual and kit inserts for the assay procedure.

For Research Use Only. Not for use in diagnostic procedures.
**Assay Specifications:**

Sample types: cell culture supernatant, serum, plasma, bodily fluid and tissue/cell lysate

Sensitivity (LOD): < 5 pg/mL

Quantitation range:
- LLOQ: < 10 pg/mL
- ULOQ: > 5,000 pg/mL

Standard dose recovery: 70-130%

Intra-assay CV: < 10%

Inter-assay CV: < 20%

Cross-reactivity of analytes in Human Group 4: negligible

Sample volume: 15 µL/test

**Description:**

Beta-Nerve Growth Factor (NGF-β or NGFB) is a neurotrophic factor related to BDNF, NT-3 and NT-4. NGF-β acts through its receptor β-NGFR, and is involved in the development and maintenance of the sensory and sympathetic nervous systems and is a potent neurotrophic factor that supports the growth and survivability of nerve and/or glial cells. NGF-β also is also involved in the growth, differentiation and survival of B lymphocytes. Human, mouse and rat proteins show cross-reactivity. Diseases associated with NGF include neuropathy, hereditary sensory and autonomic, type V and neuroschistosomiasis.

**References:**

Please contact Customer Service at 1-866-618-8932 with any questions or comments.

_Special thanks for your business!_