Monoclonal Anti-human NGFI-Bγ/NOR-1/NR4A3 Antibody

**Description**
Nerve Growth Factor Inducible Factor I-B gamma (NGFI-Bγ, NOR-1, TEC, MINOR, CHN; NR4A3) is a member of the Orphan Nuclear Receptor family. NGFI-Bγ is expressed in skeletal muscle, and fetal heart. Its expression is induced in response to various stress stimuli and growth factors. NGFI-Bγ has roles in signaling in multiple tissues, including the hypothalamic-pituitary axis. Retinoid X Receptor (RXR) has been shown to be a partner for orphan receptors NR4A1 and NR4A2 but not NR4A3.

**Preparation**
Produced in BALB/c mouse ascites inoculated with a hybridoma of spleen cells of a BALB/c mouse immunized with recombinant human NGFI-Bγ (amino acids 2-95) and mouse myeloma cells (NS-1). The IgG fraction of the ascites fluid was purified by ammonium sulfate fractionation.

**Formulation**
A liquid formulation in physiologic saline with 0.1% NaN₃.

**Storage**
This antibody is stable for greater than six months when held at -20 °C in a manual defrost freezer or at -70 °C. Upon thawing, the antibody can be stored at 2-8 °C for at least 1 month without detectable loss of activity. Avoid repeated freeze-thaw cycles.

**Specificity**
This antibody specifically recognizes human NGFI-Bγ and does not cross-react with human NGFI-Bα or NGFI-Bβ. Not yet tested in other species.

**Applications**
Western Blot - This antibody can be used at 1 μg/mL under reducing conditions with the appropriate secondary reagents to detect human NGFI-Bγ.

Direct ELISA - This antibody can be used at 1 μg/mL with the appropriate secondary reagents to detect human NGFI-Bγ.

Immunoprecipitation - Optimal dilutions should be determined by each laboratory.

Optimal dilutions should be determined by each laboratory for each application.

Caution: Sodium azide may react with lead and copper plumbing to form explosive metal azides. Flush with large amounts of water during disposal.

FOR RESEARCH USE ONLY.
NOT FOR USE IN HUMANS.