



PRODUCT DATA SHEET

Product: Anti-NF κ B p65, clone BV706

Cat. No.: MC-058 (100 μ g)

Description:

NF κ B was identified as a sequence specific transcriptional activator that binds to the intronic enhancer of kappa light chain gene in B lymphocytes. NF κ B is a heterodimer that consists of a 50 kDa DNA binding subunit (p50) and a 65 kDa transactivation subunit (p65/RelA). Both of these subunits exhibit sequence homology to the protooncogene c-Rel. The p50/p65 heterodimer remains in the cytosol in an inactive form as a complex with its inhibitor, I κ B. Upon stimulation of cells by a wide variety of stimuli such as lipopolysaccharide (LPS), pro-inflammatory cytokines and viral infection, I κ B is phosphorylated and degraded by proteasome. The active NF κ B heterodimer is translocated into the nucleus and induces gene expression.

Specificity:

Reacts with NF κ B.

Ig Isotype:

Mouse IgG₁

Species Reactivity:

Human, mouse and rat. Others not tested.

Format:

100 μ g at 200 μ g/mL in PBS containing 1 mg/mL protein stabilizer, 1.5 mM sodium azide and 50% glycerol.

Storage:

Store at -20°C. For long term storage, aliquot and refreeze at -70°C. Avoid repeated freeze/thaw cycles.

Applications:

- Immunohistochemistry
- Immunoprecipitation
- Western blot: Use at 1-4 μ g/mL.

The optimal dilution for a specific application should be determined by the researcher.

Positive Control:

A431 cells

Limitations:

For *in vitro* research use only. Not for use in diagnostics or in humans.

Warranty:

No warranties, expressed or implied, are made regarding the use of this product. KAMIYA BIOMEDICAL COMPANY is not liable for any damage, personal injury, or economic loss caused by this product.