

DATASHEET

Version: 2016-08-17

FGF-basic Antibody (3B10F9), mAb, Mouse**Cat. No.:** A01718-40**Size:** 40 µg**Synonyms:** Basic fibroblast growth factor antibody;**Description:**

FGF basic (FGF2) is a member of the fibroblast growth factor (FGF) family. It is involved in diverse biological processes, such as limb and nervous system development, wound healing, and tumor growth. FGF family members bind heparin and possess broad mitogenic and angiogenic activities. They are angiogenic agents in vivo and are potent mitogens for a variety of cell types in vitro. There are differences in the tissue distribution and concentration of these 2 growth factors.

GenScript FGF-basic Antibody (3B10F9), mAb, Mouse is produced from the hybridoma resulting from fusion of SP2/0-Ag14 myeloma and B-lymphocytes obtained from mouse immunized with human recombinant FGF-basic protein (Swiss-Prot: P09038).

Immunogen: human recombinant FGF-basic protein (Swiss-Prot: P09038).

Host: Mouse**Antigen Synonyms:** Human**Conjugation:** Unconjugated**Fusion Partner:**

Spleen cells were fused with SP2/0-Ag14 mouse myeloma cells.

Formulation:

0.5 mg/ml, lyophilized with PBS, pH 7.4, containing 0.02% sodium azide.

Clone: 3B10F9**Example****Ig Subclass:** IgG2a,k

Specificity: GenScript FGF-basic Antibody (3B10F9), mAb, Mouse detects human FGF-basic protein and does not react with the other human cytokines such as FGF-6, FGF-16, FGF-17 and FGF-acidic.

Purification: Protein A affinity column**Applications:**

Working concentrations for specific applications should be determined by the investigator. The appropriate concentrations may be affected by secondary antibody affinity, antigen concentration, the sensitivity of the method of detection, temperature, the length of the incubations, and other factors. The suitability of this antibody for applications other than those listed below has not been determined. The following concentration ranges are recommended starting points for this product.

ELISA Capture: 1-10 µg/ml**ELISA Detection:** 0.05-0.2 µg/ml**Other Applications:** user-optimized

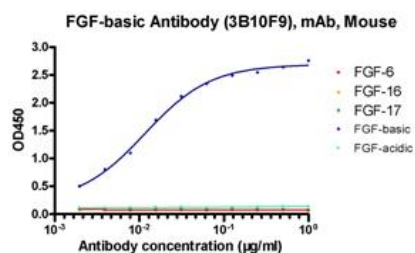
Species Reactivity: Human. Reactivity to other species is not tested yet.

Reconstitution:

Reconstitute the lyophilized powder with deionized water (or equivalent) to an antibody concentration of 0.5 mg/ml.

Storage:

The antibody is stable in lyophilized form if stored at -20°C or below. The reconstituted antibody can be stored for 2-3 weeks at 2-8°C. For long term storage, aliquot and store at -20°C or below. Avoid repeated freezing and thawing cycles.



Cross reactivity analysis of FGF-basic Antibody (3B10F9), mAb, Mouse (GenScript, A01718) with FGF-6, FGF-16, FGF-17, FGF-basic and FGF-acidic