

## DATASHEET

Version: 2016-08-17

### FGF-Acidic Antibody (5F5G8), mAb, Mouse

**Cat. No.:** A01281-40

**Size:** 40 µg

**Synonyms:** Mouse Anti-huFGF-Acidic mAb;

#### Description:

FGF acidic, also known as FGF-1, ECGF, and HBGF-1, is a 17 kDa nonglycosylated member of the FGF family of mitogenic peptides. FGF-acidic, which is produced in multiple cell types, stimulates the proliferation of all cells of mesodermal origin and many cells of neuroectodermal, ectodermal, and endodermal origin. It plays a number of roles in development, regeneration, and angiogenesis. Alternate splicing generates a truncated isoform of human FGF acidic that consists of the N-terminal 40% of the molecule and functions as a receptor antagonist.

**Immunogen:** FGF-acidic full length recombinant protein

**Host:** Mouse

**Antigen Synonyms:** Human

**Conjugation:** Unconjugated

#### Fusion Partner:

Spleen cells 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:** 5F5G8

**Ig Subclass:** Mouse IgG1, k

**Specificity:** This product is specific to human FGF-acidic and shows no cross-reactivity with FGF basic, hFGF6, hFGF16, or hFGF17.

**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:** 0.05-0.2 µg/ml

**Western blot:** 0.1-1.0 µg/ml

**Other applications:** user-optimized

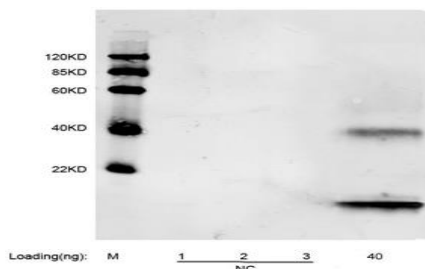
#### Reconstitution:

Reconstitute the lyophilized powder with deionized water (or equivalent) to an final 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.

#### Example



Western blot analysis of Mouse Anti-huFGF-acidic Monoclonal Antibody (GenScript, A01281)

Lane 1: 40 ng hFGF-6

Lane 2: 40 ng hFGF-16

Lane 3: 40 ng hFGF-17

Lane 4: 40 ng hFGF-acidic

Primary antibody: 1 µg/ml Mouse Anti-huFGF-acidic Monoclonal Antibody (GenScript, A01281)

Secondary antibody: IRDye™ 800 Conjugated affinity Purified anti-Mouse IgG [Goat]