

**ANTI-FIBROBLAST GROWTH FACTOR-BASIC**  
**Developed in Rabbit**  
**Fractionated Antiserum**

Product No. **F3393**

Anti-Fibroblast Growth Factor (FGF)-Basic is developed in rabbit using the synthetic peptide sequence bovine FGF-Basic [1-24] (Sigma Product No. F8013) conjugated to Keyhole Limpet Hemocyanin (KLH) as the immunogen. The fractionation procedure yields primarily the immunoglobulin fraction of antiserum. Rabbit anti-FGF-Basic is lyophilized from 0.01 M phosphate buffered saline, pH 7.2, to which no preservatives have been added.

**Specificity**

Rabbit Anti-FGF-Basic detects bovine and human FGF-Basic in western blot immunoassay procedures at a dilution of 1:2,000. It does not cross react with bovine FGF-Acidic or bovine serum albumin.

**Bioactivity**

Rabbit Anti-FGF-Basic was tested in cell culture using fetal bovine heart endothelial cells (ATCC CRL 1395) plated at low cell density. Various dilutions of the Anti-FGF-Basic were preincubated at 37 °C with 10x concentrations of FGF-Basic or FGF-Acidic for 2 hours, after which 0.1 ml was added to 1ml of media and cells in culture plates. Rabbit Anti-FGF-Basic caused a dose-dependent decrease in the mitogenic activity of FGF-Basic such that a final dilution of 1:50-1:5,000 neutralized approximately 50% of the bioactivity of FGF-Basic.

**Protein Concentration:** Not more than 90 mg/ml by Biuret.

**Reconstitution and Storage Instructions**

To one vial of lyophilized powder, add 0.1 ml of deionized water. Rotate vial gently until powder dissolves. Prior to reconstitution store the product at 2-8 °C. After reconstitution, the solution may be stored at 2-8 °C for four weeks or frozen in working aliquots. Repeated freezing and thawing is **not** recommended. If slight turbidity occurs upon prolonged storage clarify the solution by centrifugation before use.

Pcs1/99

Sigma brand products are sold through Sigma-Aldrich, Inc.

Sigma-Aldrich, Inc. warrants that its products conform to the information contained in this and other Sigma-Aldrich publications.

Purchaser must determine the suitability of the product(s) for their particular use. Additional terms and conditions may apply.

Please see reverse side of the invoice or packing slip.