



Antibody Specification Sheet

Anti-Human Basic Fibroblast Growth Factor (hbFGF) – Purified (FGF-2)

Catalog reference: AS24-P

Size: 0.5 mg



Antibody Information:

Antigen: human recombinant fibroblast growth factor (hbFGF).

Ig Class: mIgG1.

Form: purified.

Specificity: recognizes human basic FGF. Does not recognize human acidic FGF or a panel of other human cytokines.

Antibody Source: monoclonal antibody from BALB/c-derived hybridomas.

Production: *in vitro* cell culture.

Purification: Protein A agarose chromatography.

Purity: ≥95%.

Formulation: provided as a 0.2µm sterile-filtered solution

in Ca⁺⁺ & Mg⁺⁺ free Dulbecco's PBS with 0.05% sodium azide.

Concentration: 1 mg/ml.

Recommendations: ELISA and Immuno-histochemistry.

Storage conditions: store undiluted at 4 °C or in aliquots at ≤ -20 °C.

Applications:

Elisa: This antibody can be used as a coating antibody at 10 µg/ml in a two site ELISA with AS25-B. Typically the ELISA has a working range of 15-2000 pg/ml and a sensitivity of < 5 pg/ml with the appropriate standard. Recommended sample volumes are 25-200 µl. Recovery of

human basic FGF in human serum is typically > 85% in the ELISA.

Immunohistochemistry: This antibody can be used at 1-10 µg/ml to stain human basic FGF expressed in mononuclear cells, following fixation with 4% paraform in PBS for 10 minutes at 4 °C, plus 0.1% saponin 20 minutes at RT.

FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES

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