



Anti-Mouse FGF-9

20150223ML



FOR RESEARCH ONLY! NOT FOR HUMAN USE!

Cat.-no.:	103-P04
Size:	100 µg
Lot. No.:	According to product label

Preparation: Produced from sera of rabbits pre-immunized with highly pure (98%) recombinant murine Fibroblast Growth Factor-9 (FGF-9). Anti-murine specific antibody was purified by affinity chromatography employing immobilized murine FGF-9 matrix.

Target Background

Synonyms (Target):	Fgf9; Eks
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FGF-9 is a heparin binding growth factor that belongs to the FGF family. Proteins of this family play a central role during prenatal development and postnatal growth and regeneration of a variety of tissues, by promoting cellular proliferation and differentiation. FGF-9 targets glial cells, astrocytes cells and other cells that express the FGFR 1c, 2c, 3b, 3c, and 4. Mouse FGF-9 is a 23.3 kDa protein containing 205 amino acid residues.

Database References Target

Protein RefSeq:	NP_038465.2
Uniprot ID:	P54130
mRNA RefSeq:	NM_013518

Product Specifications

Species reactivity	Mouse
Clone/Ab feature	Rabbit IgG
Cross reactivity	Mouse
Host	Rabbit
Clonality	Polyclonal Antibody
Purification	Antigen-affinity purified
Immunogen	Recombinant Mouse FGF-9
Formulation	lyophilized from PBS
Reconstitution buffer	water

Reconstitution: Reconstitute the antibody in sterile water to a concentration of 0.1 - 1.0 mg/ml.

Stability: The lyophilized antibody is stable for at least 2 years from date of receipt at -20°C. The reconstituted antibody is stable for at least two weeks at 2-8°C. Frozen aliquots are stable for at least 6 months when stored at -20°C.



AVOID REPEATED FREEZE AND THAW CYCLES!

Applications

Neutralisation: To yield one-half maximal inhibition (ND₅₀) of the biological activity of murine FGF-9 (1.5 ng/ml), a concentration of 0.025-0.6 µg/ml is required.

ELISA: To detect murine FGF-9 by direct ELISA (using 100 µg/well antibody solution) a concentration of at least 0.5 µg/ml of this antibody is required. This antigen affinity purified antibody in conjugation with compatible secondary reagents allows the detection of 0.2-0.4 ng/well of recombinant murine FGF-9.

Western Blot: To detect murine FGF-9 by Western-Blot analysis this antibody can be used at a concentration of 0.1-0.2 µg/ml. Used in conjugation with compatible secondary reagents the detection limit for recombinant murine FGF-9 is 1.5-3.0 ng/lane under either reducing or non-reducing conditions.

NOTE: OPTIMAL DILUTIONS SHOULD BE DETERMINED BY EACH LABORATORY FOR EACH APPLICATION!