



20150116ML

Anti-Mouse GFR 4 alpha (#1M21)

**FOR RESEARCH ONLY! NOT FOR HUMAN USE!**

Cat.-no.:	103-M394
Size:	100 µg
Lot. No.:	According to product label

Preparation: This antibody was produced from a hybridoma (mouse myeloma fused with spleen cells from a rat) immunized with mouse recombinant protein of GFR4a.

Target Background

Synonyms (Target):	Gfra4; AW060733; G630015H18Rik
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GFR alpha -1, -2, -3, and -4 are GPI-anchored receptors that interact preferentially with the GDNF family ligands GDNF, Neurturin, Artemin, and Persephin, respectively. GFR alpha proteins initiate signaling in association with the receptor tyrosine kinase RET and by RET-independent pathways. GFR alpha-mediated signaling is instrumental in the differentiation, migration, and support of central and peripheral neurons. Alternative splicing generates multiple isoforms of GFR alpha proteins.

Database References Target

Protein RefSeq:	NP_064398.1
Uniprot ID:	Q9JJT2
mRNA RefSeq:	NM_020014

Product Specifications

Host	Rat
Reactivity against	Mouse
Clonality	Monoclonal Antibody
Clone	(#1M21)
Isotype	IgG2
Purification	Protein G/A chromatography
Antigen	recombinant mouse protein GFR alpha 4
Formulation	lyophilized
Reconstitution buffer	PBS (sterile)

Reconstitution: Reconstitute the antibody with 200 µl sterile PBS and the final concentration is 500 µg/ml.

Stability: Lyophilized samples are stable for 2 years from date of receipt when stored at -70°C. Reconstituted antibody can be aliquoted and stored frozen at < -20 °C for at least for six months without detectable loss of activity.

Remarks: This antibody detects specifically mouse GFR-alpha 4 with WB

**AVOID REPEATED FREEZE AND THAW CYCLES!**

Applications

The antibody can be used within the following applications:
ELISA, IHC (F)

Recommended usage:

ELISA**IHC (frozen):** 1:50-200

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