

# NEUROMICS

## GDNF R alpha-1 Biotinylated



## Data Sheet

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<b>Catalog Number:</b>	GT15004B	<b>Host:</b>	Goat
<b>Product Type:</b>	BIOTINYLATED Affinity Purified Goat IgG	<b>Species Reactivity:</b>	Rat, human
<b>Immunogen Sequence:</b>	Recombinant rat glial cell-line derived neurotrophic factor soluble receptor alpha 1 extracellular domain.	<b>Format:</b>	Liquid 1mg/ml
<b>Applications:</b>	<b>Immunohistochemistry:</b> 5 µg/mL slide-mounted sections, 10 - 15 µg/mL on paraffin-embedded tissues, 1-2 µg/mL free-floating sections  <b>Western Blot:</b> 0.1 – 0.2 µg/mL		
<b>Specificity:</b>	Dilutions listed as a recommendation. Optimal dilution should be determined by investigator. Based on western blot results, this antibody shows approximately 10% cross-reactivity with recombinant human GFR $\alpha$ -2 and no cross-reactivity with recombinant mouse Ret and recombinant human GFR $\alpha$ -3		
<b>Storage:</b>	Antibodies are stable for six months from date of receipt when stored at -20° C to -70° C. The antibody can be stored at 2° - 8° C for 1 month without detectable loss of activity. Upon receipt, antibody should be aliquotted and stored frozen at -20° C to -70° C in a manual defrost freezer. <i>Avoid repeated freeze-thaw cycles.</i>		

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### Application Notes

**Immunohistochemistry:** Antiserum was used on fixed tissue.

This antibody can be used with the appropriate secondary reagents to detect rat GDNF alpha-1 (GFR alpha-1) on tissues dissected from animals that were fixed by vascular perfusion with 4% paraformaldehyde/PBS (pH 7.4) and followed by perfusion with a 10% sucrose solution in 0.1 M phosphate buffer (pH 7.2). This antibody was found to work equally well on sections of frozen as well as paraffin-embedded tissues. Detection of labeling on cells and tissues may be done by employing either fluorescent or non-fluorescent enzymatic protocols.

*Additional prolonged post-fixation of tissues in 4% paraformaldehyde may mask the GDNF alpha 1 antigen.*

### FOR RESEARCH USE ONLY

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