

# Product Datasheet

## **GDF-9 Antibody (GDF9/4262) [Alexa Fluor™ Plus 594] NBP3-08364AFP594**

Unit Size: 0.1 ml

Store at 4C in the dark.

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**NBP3-08364AFP594**

GDF-9 Antibody (GDF9/4262) [Alexa Fluor™ Plus 594]

| Product Information |   |
|---------------------|---|
| Unit Size           | 0.1 ml  |
| Concentration       | Please see the vial label for concentration. If unlisted please contact technical services. |
| Storage             | Store at 4C in the dark.  |
| Clonality           | Monoclonal  |
| Clone               | GDF9/4262   |
| Preservative        | 0.05% Sodium Azide  |
| Isotype             | IgG1  |
| Conjugate           | Alexa Fluor Plus 594  |
| Purity              | Protein A or G purified   |
| Buffer              | 50mM Sodium Borate  |

| Product Description     |  |
|-------------------------|--|
| Host                    | Rat  |
| Gene ID                 | 2661   |
| Gene Symbol             | GDF9   |
| Species                 | Human  |
| Specificity/Sensitivity | GDF9 is a member of the bone morphogenetic protein (BMP) family and the TGF-beta superfamily. This group of proteins is characterized by a polybasic proteolytic processing site which is cleaved to produce a mature protein containing seven conserved cysteine residues. The members of this family are regulators of cell growth and differentiation in both embryonic and adult tissues. Growth factors synthesized by ovarian somatic cells directly affect oocyte growth and function. GDF9 is expressed in oocytes and is thought to be required for ovarian folliculogenesis. GDF9/4262 can be used in assays to detect GDF9 expression and help diagnose ovarian disorders.  |
| Immunogen               | N-terminal of GDF-9, corresponding to sequence KKPLGPASFNLSEYFC. (Uniprot: O60383)   |
| Notes                   | This product is provided under an intellectual property license from Life Technologies Corporation. The transfer of this product is conditioned on the buyer using the purchased product solely in research conducted by the buyer, excluding contract research or any fee for service research, and the buyer must not (1) use this product or its components for (a) diagnostic, therapeutic or prophylactic purposes; (b) testing, analysis or screening services, or information in return for compensation on a per-test basis; or (c) manufacturing or quality assurance or quality control, and/or (2) sell or transfer this product or its components for resale, whether or not resold for use in research. For information on purchasing a license to this product for purposes other than as described above, contact Life Technologies Corporation, 5781 Van Allen Way, Carlsbad, CA 92008 USA or <a href="mailto:outlicensing@thermofisher.com">outlicensing@thermofisher.com</a> . This conjugate is made on demand. Actual recovery may vary from the stated volume of this product. The volume will be greater than or equal to the unit size stated on the datasheet. |

**Product Application Details**

|                              |  |
|------------------------------|--|
| <b>Applications</b>          | Western Blot, ELISA  |
| <b>Recommended Dilutions</b> | Western Blot, ELISA  |
| <b>Application Notes</b>     | Optimal dilution of this antibody should be experimentally determined. |





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### **Products Related to NBP3-08364AFP594**

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|                |                                   |
|----------------|-----------------------------------|
| NBP2-49589PEP  | GDF-9 Recombinant Protein Antigen |
| 7754-BH-005/CF | TGF-beta 1 [Unconjugated]         |
| 739-G9-010     | GDF-9 [Unconjugated]              |
| 236-EG-200     | EGF [Unconjugated]                |

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### **Limitations**

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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