

# Product Datasheet

## Myogenin Antibody (MGN185) [Janelia Fluor® 549] NBP2-33056JF549

Unit Size: 0.1 ml

Store at 4C in the dark.

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**NBP2-33056JF549**

Myogenin Antibody (MGN185) [Janelia Fluor® 549]

| 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               | MGN185  |
| Preservative        | 0.05% Sodium Azide  |
| Isotype             | IgG1 Kappa  |
| Conjugate           | Janelia Fluor 549   |
| Purity              | Protein A or G purified   |
| Buffer              | 50mM Sodium Borate  |

| Product Description     |   |
|-------------------------|---|
| Host                    | Mouse   |
| Gene ID                 | 4656  |
| Gene Symbol             | MYOG  |
| Species                 | Human, Mouse, Rat, Porcine, Feline  |
| Marker                  | Skeletal Muscle Marker  |
| Specificity/Sensitivity | Myogenin is a member of the MyoD family of myogenic basic helix-loop-helix (bHLH) transcription factors that also includes MyoD, Myf-5, and MRF4 (also known as herculinor Myf-6). MyoD family members are expressed exclusively in skeletal muscle and play a key role in activating myogenesis by binding to enhancer sequences of muscle-specific genes. The regulatory domain of MyoD is approximately 70 amino acids in length and includes both a basic DNA binding motif and a bHLH dimerization motif. MyoD family members share about 80% amino acid homology in their bHLH motifs. Anti-myogenin labels the nuclei of myoblasts in developing muscle tissue, and is expressed in tumor cell nuclei of rhabdomyosarcoma and some leiomyosarcomas. Positive nuclear staining may occur in Wilms' tumor. |
| Immunogen               | Human Myogenin recombinant protein (Uniprot: P15173)  |
| Notes                   | Sold under license from the Howard Hughes Medical Institute, Janelia Research Campus.   |

| Product Application Details |  |
|-----------------------------|--|
| Applications                | Flow Cytometry, Immunohistochemistry, Immunohistochemistry-Paraffin    |
| Recommended Dilutions       | Flow Cytometry, Immunohistochemistry, Immunohistochemistry-Paraffin    |
| Application Notes           | Optimal dilution of this antibody should be experimentally determined. |





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### **Products Related to NBP2-33056JF549**

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|                    |   |
|--------------------|---|
| H00004656-P01-10ug | Recombinant Human Myogenin GST (N-Term) Protein |
| 233-FB-025         | FGF basic/FGF2/bFGF [Unconjugated]              |
| NBP3-08156         | Human Myogenin ELISA Kit (Colorimetric)         |
| 291-G1-200         | IGF-I/IGF-1 [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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