

# Product Datasheet

## gp96/HSP90B1/GRP94 Antibody (SPM249) [Janelia Fluor® 549]

**NBP3-11500JF549**

Unit Size: 0.1 ml

Store at 4C in the dark.

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**NBP3-11500JF549**

gp96/HSP90B1/GRP94 Antibody (SPM249) [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               | SPM249  |
| Preservative        | 0.05% Sodium Azide  |
| Isotype             | IgG2a Kappa   |
| Conjugate           | Janelia Fluor 549   |
| Purity              | Protein A or G purified   |
| Buffer              | 50mM Sodium Borate  |

| Product Description     |  |
|-------------------------|--|
| Host                    | Rat  |
| Gene ID                 | 7184   |
| Gene Symbol             | HSP90B1  |
| Species                 | Human, Mouse, Rat, Porcine, Bovine, Canine, Chicken, Equine, Guinea Pig, Hamster, Monkey, Rabbit, Sheep, Xenopus   |
| Marker                  | Endoplasmic Reticulum Marker   |
| Specificity/Sensitivity | Recognizes a protein of 94kDa, which is identified as the glucose-regulated protein 94 (grp94) and also tumor rejection antigen (gp96). Grp94 shows a high degree of sequence homology with the heat shock protein 90 (hsp90). This monoclonal antibody is highly specific to grp94 and shows minimal cross-reaction with other members of the HSP90 family. Grps are a class of proteins unresponsive to heat shock and are induced by glucose deprivation. Grp94 has been briefly studied as a prognostic factor in breast cancer. |
| Immunogen               | Purified glucose regulated protein 94 (grp94) from chicken oviducts (Uniprot: P14625)  |
| Notes                   | Sold under license from the Howard Hughes Medical Institute, Janelia Research Campus.  |

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



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### **Products Related to NBP3-11500JF549**

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|                  |  |
|------------------|--|
| NBP2-24698PEP    | gp96/HSP90B1/GRP94 Antibody Blocking Peptide |
| 210-TA-005       | TNF-alpha [Unconjugated]                     |
| NBP2-62146       | gp96/HSP90B1/GRP94 ELISA Development Kit     |
| NBP1-40256-0.1mg | ATF6 Antibody (70B1413.1) - BSA Free         |

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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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