

# Product Datasheet

## HSP60 Antibody (SPM253) [Janelia Fluor® 525] NBP2-34734JF525

Unit Size: 0.1 ml

Store at 4C in the dark.

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Updated 8/20/2024 v.20.1

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**NBP2-34734JF525**

HSP60 Antibody (SPM253) [Janelia Fluor® 525]

| 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                       | SPM253   |
| Preservative                | 0.05% Sodium Azide   |
| Isotype                     | IgG1 Kappa   |
| Conjugate                   | Janelia Fluor 525  |
| Purity                      | Protein A or G purified  |
| Buffer                      | 50mM Sodium Borate   |
| Product Description         |  |
| Host                        | Mouse  |
| Gene ID                     | 3329   |
| Gene Symbol                 | HSPD1  |
| Species                     | Human, Mouse, Rat, Porcine, Bovine, Canine, Chicken, Drosophila, Hamster, Monkey, Rabbit, Sheep, Xenopus   |
| Reactivity Notes            | Does not react with bacteria, helminths or spinach.  |
| Marker                      | Mitochondrial Marker   |
| Specificity/Sensitivity     | Recognizes a 60kDa protein, identified as the heat shock protein 60 (HSP60). Its epitope is localized between aa 383-447 of human HSP60. A wide variety of environmental and pathophysiological stressful conditions trigger the synthesis of a family of proteins known as heat shock proteins (hsp s), more appropriately called as stress response proteins (srp s). HSP60 is a potential antigen in a number of autoimmune diseases. In human arthritis and in experimentally induced arthritis in animals, disease development coincides with the development of immune reactivity directed against not only bacterial HSP60, but also against its mammalian homolog. |
| Immunogen                   | Recombinant human HSP60 protein (Uniprot: P10809)  |
| 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, CyTOF-ready  |
| Recommended Dilutions       | Western Blot, Flow Cytometry, Immunohistochemistry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry-Paraffin, CyTOF-ready  |
| Application Notes           | Optimal dilution of this antibody should be experimentally determined.   |





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### **Products Related to NBP2-34734JF525**

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|               |                                 |
|---------------|---------------------------------|
| NBP1-77396PEP | HSP60 Antibody Blocking Peptide |
| 210-TA-005    | TNF-alpha [Unconjugated]        |
| DYC1800-2     | HSP60 [Biotin]                  |
| M6000B-1      | IL-6 [HRP]                      |

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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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