

# Product Datasheet

## Ryanodine Receptor Antibody (34C) [Janelia Fluor® 549] NB300-543JF549

Unit Size: 0.1 ml

Store at 4C in the dark.

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**NB300-543JF549**

Ryanodine Receptor Antibody (34C) [Janelia Fluor® 549]

| Product Information |                                                                                                                  |
|---------------------|------------------------------------------------------------------------------------------------------------------|
| Unit Size           | 0.1 ml                                                                                                           |
| Concentration       | Concentrations vary lot to lot. See vial label for concentration. If unlisted please contact technical services. |
| Storage             | Store at 4C in the dark.                                                                                         |
| Clonality           | Monoclonal                                                                                                       |
| Clone               | 34C                                                                                                              |
| Preservative        | 0.05% Sodium Azide                                                                                               |
| Isotype             | IgG1                                                                                                             |
| Conjugate           | Janelia Fluor 549                                                                                                |
| Purity              | Protein A purified                                                                                               |
| Buffer              | 50mM Sodium Borate                                                                                               |

| Product Description     |                                                                                                                                                                                                                                                                                                                                                                                                                                           |
|-------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                    | Mouse                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Gene ID                 | 6261                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Gene Symbol             | RYR1                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Species                 | Human, Mouse, Rat, Amphibian, Bovine, Canine, Fish, Ferret, Mink, Primate, Rabbit, Sheep                                                                                                                                                                                                                                                                                                                                                  |
| Reactivity Notes        | Please note that this antibody is reactive to Mouse and derived from the same host, Mouse. Additional Mouse on Mouse blocking steps may be required for IHC and ICC experiments. Please contact Technical Support for more information.                                                                                                                                                                                                   |
| Specificity/Sensitivity | This antibody detects ryanodine receptor Ryanodine Receptor-1 and Ryanodine Receptor-2 isoforms in amphibian, chicken, bovine, canine, fish, human, non-human primate, mouse, rabbit, mink, rat and sheep tissues. In chicken, it detects the alpha, beta and cardiac isoforms. This antibody also detects Ryanodine Receptor-3 in mouse cells. In frog, it detects the alpha and beta isoforms and in fish it detects the alpha isoform. |
| Immunogen               | Partially purified chicken pectoral muscle ryanodine receptor.                                                                                                                                                                                                                                                                                                                                                                            |
| Notes                   | Sold under license from the Howard Hughes Medical Institute, Janelia Research Campus.                                                                                                                                                                                                                                                                                                                                                     |

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





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### **Products Related to NB300-543JF549**

|                 |                                                      |
|-----------------|------------------------------------------------------|
| NBP1-97005JF549 | Mouse IgG1 Isotype Control (MG1) [Janelia Fluor 549] |
| NBL1-11414      | Glycophorin E Overexpression Lysate                  |
| NB100-56503     | Cytochrome c Antibody (7H8.2C12) - BSA Free          |
| MAB2006         | RUNX2/CBFA1 Antibody (232902) [Unconjugated]         |

### **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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