

# Product Datasheet

## Serotonin Antibody (YC5/45) [Alexa Fluor® 532] NB100-65037AF532

Unit Size: 0.1 ml

Store at 4C in the dark.

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**NB100-65037AF532**

Serotonin Antibody (YC5/45) [Alexa Fluor® 532]

| 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                       | YC5/45   |
| Preservative                | 0.05% Sodium Azide   |
| Isotype                     | IgG2   |
| Conjugate                   | Alexa Fluor 532  |
| Purity                      | Protein G purified   |
| Buffer                      | 50mM Sodium Borate   |
| Product Description         |  |
| Host                        | Rat  |
| Species                     | All Species  |
| Reactivity Notes            | This antibody detects serotonin in multiple species including human, mouse, rat, and other vertebrate and invertebrate animals.  |
| Specificity/Sensitivity     | NB100-65037 recognizes serotonin and does not cross react with 5-hydroxyindolacetic acid, GABA, noradrenaline, 5-hydroxytryptophan, carnosine or melatonin. Serotonin (also known as 5-hydroxytryptamine or 5-HT) is a biochemical messenger and neurotransmitter synthesized from L-tryptophan. Serotonin has a range of functions, including regulation of gastric motility, and may be related to some psychiatric disorders including schizophrenia and depression. Serotonin is widely distributed in the central and peripheral nervous system, and also in some non-neural tissues such as platelets.   |
| Immunogen                   | Serotonin conjugated to Bovine Serum Albumin.  |
| Notes                       | Alexa Fluor (R) products are provided under an intellectual property license from Life Technologies Corporation. The purchase of this product conveys to the buyer the non-transferable right to use the purchased product and components of the product only in research conducted by the buyer (whether the buyer is an academic or for-profit entity). The sale of this product is expressly conditioned on the buyer not using the product or its components, or any materials made using the product or its components, in any activity to generate revenue, which may include, but is not limited to use of the product or its components: (i) in manufacturing; (ii) to provide a service, information, or data in return for payment; (iii) for therapeutic, diagnostic or prophylactic purposes; or (iv) for resale, regardless of whether they are 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, 5791 Van Allen Way, Carlsbad, CA 92008 USA or <a href="mailto:outlicensing@lifetech.com">outlicensing@lifetech.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 |  |
| Applications                | Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Frozen, Immunohistochemistry-Paraffin, Immunohistochemistry Whole-Mount  |



|                              |   |
|------------------------------|---|
| <b>Recommended Dilutions</b> | Immunohistochemistry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry-Paraffin, Immunohistochemistry-Frozen, Immunohistochemistry Whole-Mount |
| <b>Application Notes</b>     | Optimal dilution of this antibody should be experimentally determined.  |



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### Products Related to NB100-65037AF532

|        |                                    |
|--------|------------------------------------|
| KA1894 | Serotonin ELISA Kit (Colorimetric) |
|--------|------------------------------------|

### 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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