

# Product Datasheet

## IgM Antibody (SPM188) [Alexa Fluor® 405] NBP3-11563AF405

Unit Size: 0.1 ml

Store at 4C in the dark.

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**NBP3-11563AF405**

IgM Antibody (SPM188) [Alexa Fluor® 405]

| <b>Product Information</b>     |   |
|--------------------------------|---|
| <b>Unit Size</b>               | 0.1 ml  |
| <b>Concentration</b>           | Please see the vial label for concentration. If unlisted please contact technical services.   |
| <b>Storage</b>                 | Store at 4C in the dark.  |
| <b>Clonality</b>               | Monoclonal  |
| <b>Clone</b>                   | SPM188  |
| <b>Preservative</b>            | 0.05% Sodium Azide  |
| <b>Isotype</b>                 | IgG1 Kappa  |
| <b>Conjugate</b>               | Alexa Fluor 405   |
| <b>Purity</b>                  | Protein A or G purified   |
| <b>Buffer</b>                  | 50mM Sodium Borate  |
| <b>Product Description</b>     |   |
| <b>Host</b>                    | Mouse   |
| <b>Gene ID</b>                 | 3507  |
| <b>Gene Symbol</b>             | IGHM  |
| <b>Species</b>                 | Human   |
| <b>Marker</b>                  | B-Cell Marker   |
| <b>Specificity/Sensitivity</b> | Recognizes a protein of 75kDa, identified as mu heavy chain of human immunoglobulins. It does not cross-react with alpha (IgA), gamma (IgG), epsilon (IgE), or delta (IgD), heavy chains, T-cells, monocytes, granulocytes, or erythrocytes. Monomeric IgM is expressed as a membrane bound antibody on the surface of B cells and as a pentamer when secreted by plasma cells. IgM antibody is prominent in early immune responses to most antigens. Aberrant levels are associated with immune deficiency states, hereditary deficiencies, myeloma, Waldenstroms lymphomas. The most common feature of these malignancies is the restricted expression of a single heavy chain class. Demonstration of clonality in lymphoid infiltrates indicates that the infiltrate is clonal and therefore malignant. |
| <b>Immunogen</b>               | Heavy chain of human IgM  |

|              |  |
|--------------|--|
| <b>Notes</b> | <p>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.</p> |
|--------------|--|

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

## Images

IgM Antibody (SPM188) [Alexa Fluor® 405] [NBP3-11563AF405] - Vial of Alexa Fluor 405 conjugated antibody. Alexa Fluor 405 is optimally excited at 401 nm by the Violet laser (405 nm) and has an emission maximum of 421 nm.



Alexa Fluor® 405

| LASER (nm)          | FILTER            |
|---------------------|-------------------|
| Violet (405)        | 450/45            |
| EXCITATION MAX (nm) | EMISSION MAX (nm) |
| 401                 | 421               |



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### **Products Related to NBP3-11563AF405**

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|                    |   |
|--------------------|---|
| IC002V             | Mouse IgG1 Isotype Control (11711) [Alexa Fluor® 405] |
| H00003507-P01-10ug | Recombinant Human IgM GST (N-Term) Protein            |
| 7268-CT-100        | CTLA-4 [Unconjugated]                                 |
| NBP2-62224         | Mouse IgM Isotype Control (PFR-03)                    |

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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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