

# Product Datasheet

## ErbB2/Her2 Antibody (4D5-8 (trastuzumab)) [Alexa Fluor® 647] NBP2-75895AF647

Unit Size: 0.1 ml

Store at 4C in the dark.

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Updated 10/23/2024 v.20.1

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**NBP2-75895AF647**

ErbB2/Her2 Antibody (4D5-8 (trastuzumab)) [Alexa Fluor® 647]

| 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               | 4D5-8 (trastuzumab)   |
| Preservative        | 0.05% Sodium Azide  |
| Isotype             | IgG1 Kappa  |
| Conjugate           | Alexa Fluor 647   |
| Purity              | Protein A purified  |
| Buffer              | 50mM Sodium Borate  |

| Product Description     |  |
|-------------------------|--|
| Host                    | Human  |
| Gene ID                 | 2064   |
| Gene Symbol             | ERBB2  |
| Species                 | Human  |
| Specificity/Sensitivity | Oncogenic protein Her-2/neu (erbB-2), a member of the family of epidermal growth factor (EGF) receptors, overexpressed in 30% of invasive breast cancers and 70% of ductal carcinomata in situ, in a small percentage of melanomas, and in other malignancies originating from various organs, including ovary, kidney, colon, and bladder.  |
| Immunogen               | A431 cells (human epidermoid carcinoma) (over)expressing EGFR.   |
| 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                | ELISA, Flow Cytometry, Immunohistochemistry |
| Recommended Dilutions       | Flow Cytometry, ELISA, Immunohistochemistry |



**Application Notes**

Optimal dilution of this antibody should be experimentally determined.

**Images**

Product Image: ErbB2/Her2 Antibody (4D5-8 (trastuzumab)) [Alexa Fluor® 647] [NBP2-75895AF647] - Vial of Alexa Fluor 647 conjugated antibody. Alexa Fluor 647 is optimally excited at 653 nm by the Red laser (633 or 640 nm) and has an emission maximum of 669 nm.



Alexa Fluor® 647

| LASER (nm)    | FILTER |
|---------------|--------|
| Red (633,640) | 660/10 |

  

| EXCITATION MAX (nm) | EMISSION MAX (nm) |
|---------------------|-------------------|
| 653                 | 669               |



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### **Products Related to NBP2-75895AF647**

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|                 |   |
|-----------------|---|
| NBP3-06872AF647 | Human IgG1 Kappa Isotype Control [Alexa Fluor® 647] |
| NBP2-29624PEP   | ErbB2/Her2 Antibody Blocking Peptide                |
| 236-EG-200      | EGF [Unconjugated]                                  |
| 1129-ER-050     | ErbB2/Her2 [Unconjugated]                           |

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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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