

# Product Datasheet

## EpCAM/TROP1 Antibody (EGP40/1555R) [Alexa Fluor® 750] - (ECD) NBP2-54424AF750

Unit Size: 0.1 ml

Store at 4C in the dark.

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**NBP2-54424AF750**

EpCAM/TROP1 Antibody (EGP40/1555R) [Alexa Fluor® 750] - (ECD)

| 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                   | EGP40/1555R  |
| Preservative            | 0.05% Sodium Azide   |
| Isotype                 | IgG  |
| Conjugate               | Alexa Fluor 750  |
| Purity                  | Protein A purified   |
| Buffer                  | 50mM Sodium Borate   |
| Product Description     |  |
| Host                    | Rabbit   |
| Gene ID                 | 4072   |
| Gene Symbol             | EPCAM  |
| Species                 | Human, Mouse (Negative), Rat (Negative)  |
| Reactivity Notes        | Does not react with Canine, Mouse, Feline or Rat.  |
| Marker                  | Epithelial Marker  |
| Specificity/Sensitivity | Recognizes a 40-43kDa transmembrane epithelial glycoprotein, identified as epithelial specific antigen (ESA), or epithelial cellular adhesion molecule (EpCAM). EpCAM is expressed on baso-lateral cell surface in most simple epithelia and a vast majority of carcinomas. This antibody has been used to distinguish adenocarcinoma from pleural mesothelioma and hepatocellular carcinoma. It is also useful in distinguishing serous carcinomas of the ovary from mesothelioma. This epithelial antigen plays an important role as a tumor-cell marker in lymph nodes from patients with esophageal carcinoma otherwise classified as node-negative. Epithelial antigen has also been suggested as a discriminator between basal cell and baso-squamous carcinomas, and squamous cell carcinoma of the skin. |
| Immunogen               | Recombinant full-length human EpCAM/TROP1 protein (Uniprot: P16422 )   |



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



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### **Products Related to NBP2-54424AF750**

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|                   |   |
|-------------------|---|
| NBP2-24891AF750   | Rabbit IgG Isotype Control [Alexa Fluor® 750] |
| NBP2-52190-0.05mg | Recombinant Human EpCAM/TROP1 His Protein     |
| 202-IL-010        | IL-2 [Unconjugated]                           |
| 960-EP-050        | EpCAM/TROP1 [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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