

# Product Datasheet

## EpCAM/TROP1 Antibody (EGP40/1798) [Alexa Fluor® 350] - (ECD) NBP2-54456AF350

Unit Size: 0.1 ml

Store at 4C in the dark.

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**NBP2-54456AF350**

EpCAM/TROP1 Antibody (EGP40/1798) [Alexa Fluor® 350] - (ECD)

| <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>                   | EGP40/1798  |
| <b>Preservative</b>            | 0.05% Sodium Azide  |
| <b>Isotype</b>                 | IgG2b Kappa   |
| <b>Conjugate</b>               | Alexa Fluor 350   |
| <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>                 | 4072  |
| <b>Gene Symbol</b>             | EPCAM   |
| <b>Species</b>                 | Human, Canine, Feline   |
| <b>Reactivity Notes</b>        | Others not known.   |
| <b>Marker</b>                  | Epithelial Marker   |
| <b>Specificity/Sensitivity</b> | EGP40 is a 40-43kDa transmembrane epithelial glycoprotein, also identified as epithelial specific antigen (ESA), or epithelial cellular adhesion molecule (Ep-CAM). It 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. This antibody is also useful in distinguishing serous carcinomas of the ovary from mesothelioma. |
| <b>Immunogen</b>               | Recombinant fragment from the extracellular domain of human EpCAM/TROP1 protein (around aa100-224) (exact sequence is proprietary) (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> |
|--------------|--|

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

## Images

EpCAM/TROP1 Antibody (EGP40/1798) [Alexa Fluor® 350] - (ECD) [NBP2-54456AF350] - Vial of Alexa Fluor 350 conjugated antibody. Alexa Fluor 350 is optimally excited at 346 nm by the UV laser (350 or 355 nm) and has an emission maximum of 442 nm.



Alexa Fluor® 350

| LASER (nm)          | FILTER            |
|---------------------|-------------------|
| UV (350)            | 450/45            |
| EXCITATION MAX (nm) | EMISSION MAX (nm) |
| 346                 | 442               |



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### **Products Related to NBP2-54456AF350**

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|                   |   |
|-------------------|---|
| NBP1-43317AF350   | Mouse IgG2b Kappa Light Chain Isotype Control (MG2b) [Alexa Fluor® 350] |
| 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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