

# Product Datasheet

## EpCAM/TROP1 Antibody (323/A3) - (ECD) NBP2-34274-0.1mg

Unit Size: 0.1 mg

Store at 4C.

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**NBP2-34274-0.1mg**

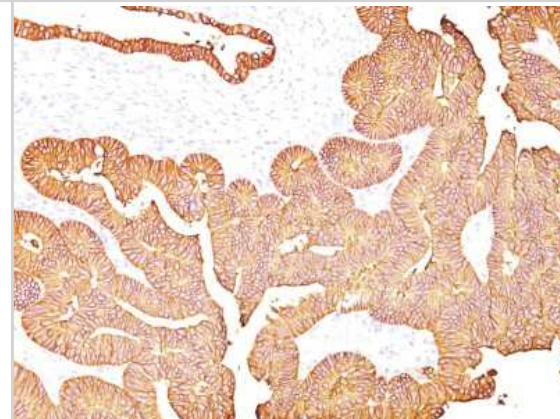
EpCAM/TROP1 Antibody (323/A3) - (ECD)

| <b>Product Information</b>         |   |
|------------------------------------|---|
| <b>Unit Size</b>                   | 0.1 mg  |
| <b>Concentration</b>               | 0.2 mg/ml   |
| <b>Storage</b>                     | Store at 4C.  |
| <b>Clonality</b>                   | Monoclonal  |
| <b>Clone</b>                       | 323/A3  |
| <b>Preservative</b>                | 0.05% Sodium Azide  |
| <b>Isotype</b>                     | IgG1 Kappa  |
| <b>Purity</b>                      | Protein A or G purified   |
| <b>Buffer</b>                      | 10 mM PBS with 0.05% BSA  |
| <b>Product Description</b>         |   |
| <b>Description</b>                 | 200ug/ml of antibody purified from Bioreactor Concentrate by Protein A or G. Prepared in 10 mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0 mg/ml. (NBP2-34532)<br><br>Antibody with azide - store at 2 to 8C. Antibody without azide - store at -20 to -80C.  |
| <b>Host</b>                        | Mouse   |
| <b>Gene ID</b>                     | 4072  |
| <b>Gene Symbol</b>                 | EPCAM   |
| <b>Species</b>                     | Human, Rat (Negative)   |
| <b>Reactivity Notes</b>            | Does not react with Rat, Feline or Canine.  |
| <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>                   | MCF-7 human breast cancer cells   |
| <b>Product Application Details</b> |   |
| <b>Applications</b>                | Flow Cytometry, Immunohistochemistry, Immunohistochemistry-Paraffin   |
| <b>Recommended Dilutions</b>       | Flow Cytometry 1-2 ug/million cells, Immunohistochemistry, Immunohistochemistry-Paraffin 1-2 ug/ml  |
| <b>Application Notes</b>           | Immunohistochemistry (Formalin-fixed): 1-2ug/ml for 30 min at RT. Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 45 min at 95C followed by cooling at RT for 20 minutes. Optimal dilution for a specific application should be determined.   |

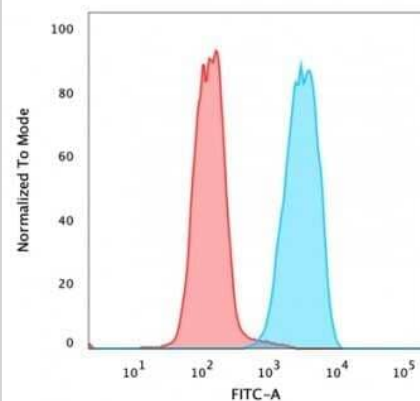


## Images

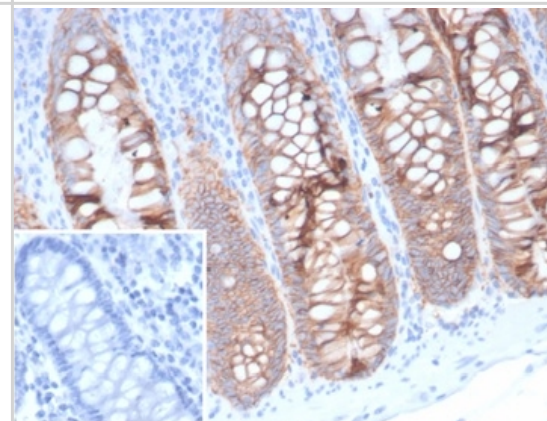
Immunohistochemistry-Paraffin: EpCAM/TROP1 Antibody (323/A3) - (ECD) [NBP2-34274] - Formalin-fixed, paraffin-embedded Human Colon Carcinoma stained with Ep-CAM Mouse Monoclonal Antibody (323/A3).



Flow Cytometry: EpCAM/TROP1 Antibody (323/A3) - (ECD) [NBP2-34274] - Flow Cytometric Analysis of PFA-fixed MCF-7 cells using EpCAM/TROP1 Mouse Monoclonal Antibody (323/A3) followed by Goat anti-mouse IgG-CF488 (Blue); Isotype Control (Red).



Formalin-fixed, paraffin-embedded human colon stained with EpCAM/TROP1 antibody (323/A3) - (ECD). Inset: PBS instead of primary antibody; secondary only negative control.





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### **Products Related to NBP2-34274-0.1mg**

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|                   |   |
|-------------------|---|
| HAF007            | Goat anti-Mouse IgG Secondary Antibody [HRP]            |
| NB720-B           | Rabbit anti-Mouse IgG (H+L) Secondary Antibody [Biotin] |
| NBP1-43319-0.5mg  | Mouse IgG1 Kappa Isotype Control (P3.6.2.8.1)           |
| NBP2-52190-0.05mg | Recombinant Human EpCAM/TROP1 His Protein               |

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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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