

EpCAM (BerEp4) Antibody, Paramagnetic

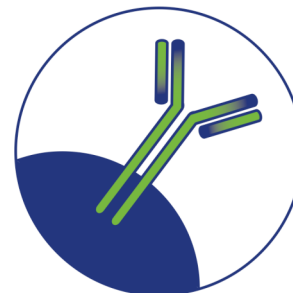
Model # R2108

WAVESENSE

Intended Use:

FOR RESEARCH USE ONLY. Not for human or animal therapeutic or diagnostic use.

This product is intended for antigen specific paramagnetic labeling of cells expressing epithelial cellular adhesion molecule (EpCAM) in biological specimens and culture.



Description:

EpCAM (BerEp4) Antibody, Paramagnetic are 4.5 micron, uniform diameter, paramagnetic particles coated with mouse monoclonal EpCAM (BerEp4) antibody. The EpCAM (BerEp4) antibody was generated against MCF7 human breast carcinoma cell line of human origin. The mouse monoclonal antibody (BerEP4) recognizes two glycoproteins, 34 and 39 kDa, sometimes referred to as epithelial antigen, epithelial specific antigen (ESA), epithelial glycoprotein, cell-cell adhesion molecule, or epithelial cellular adhesion molecule (EpCAM). The glycoproteins are expressed on the cell membrane surface of most normal and neoplastic epithelial cells. Cell capture is achieved by paramagnetic labeling with EpCAM (BerEP4) antibody of cells expressing EpCAM in biological specimens and culture.

Supplied As:

| Catalog # | Contains |
|-----------|----------|
| R2108-1 | 1 mL |

Ready to use solution of EpCAM (BerEp4) coupled paramagnetic particles in 1 mL of 0.02 M Phosphate Buffer pH 7.4, 0.15 M NaCl, 1.0% BSA, 0.09% Sodium Azide.

Storage:

This product is stable when stored at 4 – 8°C. DO NOT FREEZE. DO NOT STORE AT ROOM TEMPERATURE. Refer to product label for expiration date.

Other Information:

Resuspend particles prior to each use by inversion or gentle pulse vortexing several times. Avoid causing foam when resuspending particles. Generally, 25 μ L to 100 μ L of antibody will be sufficient to capture cells in specimen volumes up to 5 mL.

Material Safety Data:

When handling this material Standard Laboratory Practices should be followed. This material's chemical, physical and toxicological properties have not been thoroughly investigated. Contains Sodium Azide as a preservative. Although, the quantity of Sodium Azide (0.09%) is very small, measures should be taken to avoid skin and eye contact, inhalation and ingestion. Sodium Azide (NaN₃) may react with lead and copper plumbing to form potentially explosive metal oxides. Upon disposal, flush with a large volume of water to prevent azide build-up.

References:

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4. Bjork, P., et al. 1993. Isolation, partial characterization, and molecular cloning of a human colon adenocarcinoma cell-surface glycoprotein recognized by the C215 mouse monoclonal antibody. *J. Bio. Chem.* 268: 24231-24241.



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7. Tomita, Y., et al. 2000. Molecular identification of a human carcinoma-associated glycoprotein antigen recognized by mouse monoclonal antibody FU-MK-1. *J. Cancer Res.* 91: 231-238.
8. Taguchi, N., et al., 2000. Abnormal thymic expression of epithelial cell adhesion molecule (EpCAM) in New Zealand Black (NZB) mice. *J. Autoimmun.* 13:393-404.
9. Trebak, M., et al. 2001. Oligomeric state of the colon carcinoma-associated glycoprotein GA733-2 (EpCAM/EGP40) and its role in GA733-mediated homotypic cell-cell adhesion. *J. Biol. Chem.* 276: 2299-2309.

Product Specification Sheet



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