

Anti-EpCAM (323/A3) Antibody, Paramagnetic

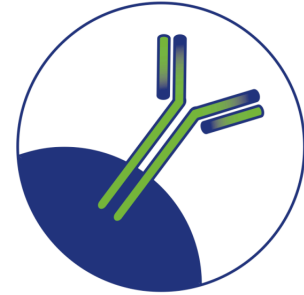
Model # R2120

WAVESENSE

Intended Use:

For In Vitro Diagnostic Use.

This product is intended for selective recovery/enrichment of cells expressing the EpCAM cell surface antigen in biological fluids and tissue culture.



Description:

Anti-EpCAM (323/A3) Particles are submicron, uniform diameter, superparamagnetic beads conjugated with mouse monoclonal EpCAM antibody. The antibody conjugated with the magnetic particles, clone 323/A3¹⁴ recognizes EGP40 a 40kDa transmembrane epithelial glycoprotein identified as epithelial cellular adhesion molecule (Ep-CAM) also known as epithelial specific antigen (ESA). EpCAM is expressed on the baso-lateral cell surface in most simple epithelia and a majority of carcinomas.

Supplied As:

Catalog #	Contains
R2120-1	1 mg

1 mg of Anti-EpCAM (323/A3) conjugated 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 µL to 100 µL 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:

1. Valderr MP et al. New Chimeric Anti-Pancreatic Monoclonal Antibody with Superior Cytotoxicity-Mediating Potency. *Cancer Research*, 1994, 54(70): 1753-1759.
2. Courtney SP et al. Monoclonal Antibody 323/AA3: A Marker for The Presence of Breast Carcinoma. *Cancer Letters*, 1991 57(2): 115-119.
3. Tandon AK, et al. Association of the 323.A3 Surface Glycoprotein with Tumor Characteristics and Behavior in Human Breast Cancer. *Can Res*, 1990, 50: 3317-3321.
4. Edwards DP, et al. *Cancer Res*. 1986, 46: 1306-1317



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ML080104-11
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