

# Anti-EpCAM (323/A3) Antibody, Paramagnetic

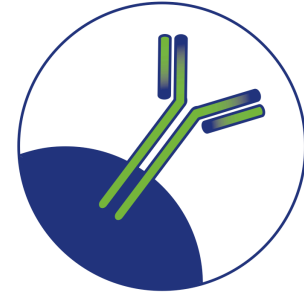
Model # R2120

**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/A3<sup>1-4</sup> 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  $\mu$ L to 100  $\mu$ 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 (NaN<sub>3</sub>) 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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