

## Anti-Mouse CD326 (EpCAM) FITC

Catalog Number :38312-50

RUO: For Research Use Only. Not for use in diagnostic procedures.

### Product Information

**Clone:** G8.8

**Format/Conjugate:** FITC

**Concentration:** 0.5 mg/mL

**Reactivity:** Mouse

**Laser:** Blue (488nm)

**Peak Emission:** 520nm

**Peak Excitation:** 494nm

**Filter:** 530/30

**Brightness (1=dim,5=brightest):** 3

**Isotype:** IgG2a, kappa

**Formulation:** Phosphate-buffered aqueous solution, ≤0.09% Sodium azide, may contain carrier protein/stabilizer, pH7.2.

**Storage:** Product should be kept at 2-8°C and protected from prolonged exposure to light.

**Applications:** FC

### Description

The G8.8 monoclonal antibody specifically reacts with mouse CD326, a 40-42kDa type I transmembrane glycoprotein also known as the Epithelial Cell Adhesion Molecule (Ep-CAM), epithelial glycoprotein 40 (EGP40), and the 17-1A antigen. CD326 is a calcium-independent cell adhesion mediator and is involved in cell differentiation, signaling, migration, and proliferation. It is used as a diagnostic marker for various cancers and plays an important role in tumor biology.

### Preparation & Storage

The product should be stored undiluted at 4°C and should be protected from prolonged exposure to light. Do not freeze. The monoclonal antibody was purified utilizing affinity chromatography and unreacted dye was removed from the product.

### Application Notes

The antibody has been analyzed for quality through the flow cytometric analysis of the relevant cell type. The antibody can be used at less than or equal to 5 µL per test. A test is the amount of antibody required to stain a cell sample in the final volume of 100 µL.

### References

1. Borkowski, T. A., Nelson, A. J., Farr, A. G., Udey, M. C. (1996). Expression of gp40, the murine homologue of human epithelial cell adhesion molecule (Ep-CAM), by murine dendritic cells.; *European journal of immunology*; 26(1), 110-114.
2. Farr, A., Nelson, A., Truex, J., Hosier, S. (1991). Epithelial heterogeneity in the murine thymus: a cell surface glycoprotein expressed by subcapsular and medullary epithelium.; *The journal of histochemistry and cytochemistry: official journal of the Histochemistry Society*; 39(5), 645-653.
3. Nelson, A. J., Dunn, R. J., Peach, R., Aruffo, A., Farr, A. G. (1996). The murine homolog of human Ep-CAM, a homotypic adhesion molecule, is expressed by thymocytes and thymic epithelial cells.; *European journal of immunology*; 26(2), 401-408.