

## Mouse Epithelial Cell Adhesion Molecule (EPCAM) ELISA Kit-Sandwich

**Cat. No.:** EK5F111

**Product Type:** Animal Immunoassay Kits

**Size:** 48T;96T

### Product Overview

BioVenic Mouse Epithelial Cell Adhesion Molecule (EPCAM) ELISA Kit-Sandwich is designed for the quantitative determination of Mouse EPCAM in serum, plasma, tissue homogenate, cell culture supernatant, cell lysate, and other biological fluids using a Sandwich ELISA method. For research use only.

### Specifications

|                    |   |
|--------------------|---|
| Assay Type         | ELISA-Sandwich  |
| Specificity        | The assay kit is specific for Mouse Epithelial Cell Adhesion Molecule (EPCAM).                        |
| Target Species     | Mouse   |
| Species Reactivity | Mouse   |
| Detection Range    | 0.32-20 ng/mL   |
| Reproducibility    | Intra-Assay: CV < 10%; Inter-Assay: CV < 12%  |
| Assay Time         | Around 90 min   |
| Sample Requirement | Serum, plasma, tissue homogenate, cell culture supernatant, cell lysate, and other biological fluids. |

### Target Information

Epithelial cell adhesion molecule may function as a physical homophilic interaction molecule between intestinal epithelial cells (IECs) and intraepithelial lymphocytes (IELs) at the mucosal epithelium, providing an immunological barrier as a first line of defense against mucosal infections. It plays a role in the proliferation and differentiation of embryonic stem cells and upregulates the expression of FABP5, MYC, and cyclins A and E. In mice, this molecule is encoded by the *Epcam* gene. The functions of EpCAM in mice involve multiple aspects, including cell adhesion, tissue development, tumor progression and immune regulation.

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|------------------|--|
| Target/Biomarker | Mouse EPCAM  |
| Target Synonym   | Egp314; EpCAM1; gp40; EGP-2; TROP1; EGP; Tacsd1; Ly74; GA733-2; Ep-CAM; CD326; Tacstd1 |
| Gene ID          | <a href="#">17075</a>  |

**Shipping and Storage**

This product is shipped with gel ice packs. It is recommended to store at 2-8 °C (Up to 6 months).

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The product is for research use only. Not for commercial, prophylactic, diagnostic, or therapeutic applications. Please determine the purpose of the product before purchasing. For further information and inquiry, please contact us.