Mouse Anti-Ep-CAM [MOC-31]: MC0232, MC0232RTU7

**Intended Use:** For Research Use Only

**Description:** Ep-CAM is a highly conserved type I transmembrane glycoprotein and is expressed on most normal and malignant epithelial cells. Ep-CAM is also known as epithelial cell adhesion molecule or MOC31, Ber-EP4. It is detected at the membrane/cytoplasm of the majority of epithelial tissues (all simple, pseudo-stratified and transitional epithelial), with the exception of the adult squamous epithelium and some epithelium-derived cells, such as hepatocytes, epidermal keratinocytes, gastric parietal cells, myoepithelial cells, and thymic cortical epithelium. In tumors, Ep-CAM is over expressed by the majority of human epithelial carcinomas, except hepatocellular carcinomas (HCC). Defects in Ep-CAM are a cause of hereditary non-polyposis colorectal cancer type 8 (HNPCC8). HNPCC is a disease associated with marked increase in cancer susceptibility. It is characterized by a familial predisposition to early-onset colorectal carcinoma (CRC) and extra-colonic tumors of the gastrointestinal, urological and female reproductive tracts. HNPCC is reported to be the most common form of inherited colorectal cancer.

**Specifications**

<table>
<thead>
<tr>
<th>Description</th>
<th>Catalog No.</th>
<th>Size</th>
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</thead>
<tbody>
<tr>
<td>Ep-CAM Concentrated</td>
<td>MC0232</td>
<td>1 ml</td>
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<tr>
<td>Ep-CAM Prediluted</td>
<td>MC0232RTU7</td>
<td>7 ml</td>
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**IHC Procedure**

- **Positive Control Tissue:** Colon, thyroid
- **Concentrated Dilution:** 50-200
- **Pretreatment:** Citrate pH6.0 or EDTA pH8.0, 15 minutes using Pressure Cooker, or 30-60 minutes using water bath at 95°-99°C
- **Incubation Time and Temp:** 30-60 minutes @ RT
- **Detection:** Refer to the detection system manual

*Result should be confirmed by an established diagnostic procedure.*

![FFPE human endometrial carcinoma stained with anti-Ep-CAM using DAB](image_url)

**References:**