Mouse Anti-GATA3 [C11]: MC0125, MC0125RTU7

**Intended Use:** For Research Use Only

**Description:** GATA-3 (GATA binding protein 3) is a member of the GATA family of transcription factors. This 50kD nuclear protein regulates the development and subsequent maintenance of a variety of human tissues, including hematopoietic cells, skin, kidney, mammary gland, and the central nervous system. Among several other roles, GATA-3 involved in luminal cell differentiation in the mammary gland and appears to control a set of genes involved in the differentiation and proliferation of breast cancer. The expression of GATA-3 is associated with the expression of estrogen receptor-alpha (ER) in breast cancer. GATA-3 has been shown to be a novel marker for bladder cancer. The study demonstrated that GATA-3 stained 67% of urothelial Carcinomas, but none of prostate or renal carcinomas.

**Specifications**

<table>
<thead>
<tr>
<th>Description</th>
<th>Catalog No.</th>
<th>Size</th>
</tr>
</thead>
<tbody>
<tr>
<td>GATA3 Concentrated</td>
<td>MC0125</td>
<td>1 ml</td>
</tr>
<tr>
<td>GATA3 Prediluted</td>
<td>MC0125RTU7</td>
<td>7 ml</td>
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</tbody>
</table>

**IHC Procedure**

- **Positive Control Tissue:** Breast, urinary bladder
- **Concentrated Dilution:** 50-250
- **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.

**References:**