Rabbit Anti-CD103/Integrin alpha E [EP206]: RM0019, RM0019RTU7

**Intended Use:** For Research Use Only

**Description:** CD103, also known as integrin alpha E (ITGAE), is an integrin protein that in humans is encoded by the ITGAE gene. It binds integrin beta 7 to form the complete heterodimeric molecular αEβ7 that binds to an extracellular matrix component and cellular counter receptor. They mediate cell adhesion, migration and signaling and are important for T lymphocyte localization. CD103 is expressed on intraepithelial lymphocytes in mucosal areas, including lung and GI tract. In malignancies, CD103 is present on all enteropathy-type T-cell lymphomas. Additionally, CD103 has been a useful marker for hairy cell leukemia.

**Specifications:**
- **Clone:** EP206
- **Source:** Rabbit
- **Isotype:** IgG
- **Reactivity:** Human
- **Localization:** Membrane, cytoplasm
- **Formulation:** Purified ascites in PBS pH7.4, containing BSA, and ≤ 0.09% sodium azide (NaN₃)
- **Storage:** Store at 2°-8°C
- **Applications:** IHC

<table>
<thead>
<tr>
<th>Description</th>
<th>Catalog No.</th>
<th>Size</th>
</tr>
</thead>
<tbody>
<tr>
<td>CD103/Integrin alpha E Concentrated</td>
<td>RM0019</td>
<td>1 ml</td>
</tr>
<tr>
<td>CD103/Integrin alpha E Prediluted</td>
<td>RM0019RTU7</td>
<td>7 ml</td>
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</tbody>
</table>

**IHC Procedure**:  
- **Positive Control Tissue:** Hairy cell leukemia  
- **Concentrated Dilution:** 50-200  
- **Pretreatment:** Tris 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 colon stained with anti-CD103 using DAB](image)

**References:**