**DESCRIPTION**

**Species Reactivity**  Human  
**Specificity**  Detects recombinant human (rh)ACE in direct ELISAs and Western blots. Does not cross-react with rhACE-2 or rhNeprilysin.  
**Source**  Monoclonal Mouse IgG1, Clone # 171409  
**Purification**  Protein A or G purified from hybridoma culture supernatant  
**Immunogen**  Mouse myeloma cell line NS0-derived recombinant human ACE Leu30-Leu1261  
Accession # P12821.1  
**Formulation**  Lyophilized from a 0.2 μm filtered solution in PBS with Trehalose. See Certificate of Analysis for details.  
*Small pack size (-SP) is supplied either lyophilized or as a 0.2 μm filtered solution in PBS.*  

**APPLICATIONS**

**Please Note:** Optimal dilutions should be determined by each laboratory for each application. **General Protocols** are available in the Technical Information section on our website.  

<table>
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<th>Recommended Concentration</th>
<th>Sample</th>
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<tr>
<td>Western Blot</td>
<td>1 μg/mL Recombinant Human ACE/CD143 Somatic Form (Catalog # 929-ZN)</td>
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**PREPARATION AND STORAGE**

**Reconstitution**  Reconstitute at 0.5 mg/mL in sterile PBS.  
**Shipping**  The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below.  
*Small pack size (-SP) is shipped with polar packs. Upon receipt, store it immediately at -20 to -70 °C.*  
**Stability & Storage**  Use a manual defrost freezer and avoid repeated freeze-thaw cycles.  
- 12 months from date of receipt, -20 to -70 °C as supplied.  
- 1 month, 2 to 8 °C under sterile conditions after reconstitution.  
- 6 months, -20 to -70 °C under sterile conditions after reconstitution.

**BACKGROUND**

ACE, also known as kininase II and CD143 antigen, is a dipeptidyl carboxyl peptidase that contains zinc. It plays an important role in blood pressure regulation and electrolyte balance by hydrolyzing angiotensin I into angiotensin II, a potent vasopressor and aldosterone-stimulating peptide.