**DESCRIPTION**

<table>
<thead>
<tr>
<th>Species Reactivity</th>
<th>Specificity</th>
<th>Source</th>
<th>Purification</th>
<th>Immunogen</th>
<th>Formulation</th>
</tr>
</thead>
<tbody>
<tr>
<td>Human</td>
<td>Detects human Coagulation Factor V in direct ELISAs.</td>
<td>Recombinant Monoclonal Rabbit IgG Clone # 2280A</td>
<td>Protein A or G purified from cell culture supernatant</td>
<td>Synthetic peptide containing human Coagulation Factor V aa1650-1700 Accession # P12259</td>
<td>Lyophilized from a 0.2 μm filtered solution in PBS with Trehalose. See Certificate of Analysis for details. <em>Small pack size (-SP) is supplied either lyophilized or as a 0.2 μm filtered solution in PBS.</em></td>
</tr>
</tbody>
</table>

**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.

**ELISA**

This antibody functions as an ELISA detection antibody when paired with Rabbit Anti-Human Coagulation Factor V (Light Chain) Monoclonal Antibody (Catalog # MAB98561).

*This product is intended for assay development on various assay platforms requiring antibody pairs.*

**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**

Factor V (Coagulation Factor Five) is a 330kDa protein of the coagulation system encoded by the F5 gene. Unlike most other coagulation factors, Factor V is not enzymatically active but functions as a cofactor. Factor V is a central regulator of hemostasis. It serves as a critical cofactor for the pro-thrombinase activity of factor Xa that results in the activation of pro-thrombin to thrombin.