Technical Data Sheet

Purified Mouse Anti-Annexin VI

Product Information
Material Number: 610301
Size: 150 µg
Concentration: 250 µg/ml
Clone: 73/Annexin VI
Immunogen: Human Annexin VI aa. 1-673
Isotype: Mouse IgG1
Reactivity: QC Testing: Human
Tested in Development: Rat
Target MW: 70 kDa
Storage Buffer: Aqueous buffered solution containing BSA, glycerol, and ≤0.09% sodium azide.

Description
Annexins are a widely expressed family of Ca\(^{2+}\) and phospholipid-binding proteins. At least ten have been identified in mammalian tissues. They have also been identified in Drosophila, Hydra, and Dictyostelium. Annexin VI is a 70 kDa member of the annexin family. While most of the other annexin family members have a four amino acid sequence repeat, Annexin VI displays an eight residue repeat. It is a widely expressed protein, found in lymphocytes, neurons, and many other cell types. Work on annexins has addressed the possible role of Annexin VI in various stages of the endocytic pathway. Some studies suggest that Annexin VI is required for coated-vesicle budding. However, other research directly contradicts this data. Thus, the role of Annexin VI is still under investigation.

Preparation and Storage
Store undiluted at -20°C.
The monoclonal antibody was purified from tissue culture supernatant or ascites by affinity chromatography.
Application Notes

**Application**

<table>
<thead>
<tr>
<th>Application</th>
<th>Tested During Development</th>
<th>Routinely Tested</th>
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</thead>
<tbody>
<tr>
<td>Western blot</td>
<td></td>
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<tr>
<td>Immunoprecipitation</td>
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<tr>
<td>Immunofluorescence</td>
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<tr>
<td>Immunohistochemistry</td>
<td></td>
<td>Not Recommended</td>
</tr>
</tbody>
</table>

**Recommended Assay Procedure:**

**Western blot:** Please refer to http://wwwbdbiosciencescom/pharmingen/protocols/Western_Blotting.shtml

**Suggested Companion Products**

<table>
<thead>
<tr>
<th>Catalog Number</th>
<th>Name</th>
<th>Size</th>
<th>Clone</th>
</tr>
</thead>
<tbody>
<tr>
<td>611451</td>
<td>Jurkat Cell Lysate</td>
<td>500 µg</td>
<td>(none)</td>
</tr>
<tr>
<td>554002</td>
<td>HRP Goat Anti-Mouse Ig</td>
<td>1.0 ml</td>
<td>(none)</td>
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<tr>
<td>554001</td>
<td>FITC Goat Anti-Mouse Ig</td>
<td>0.5 mg</td>
<td>Polyclonal</td>
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**Product Notices**

1. Since applications vary, each investigator should titrate the reagent to obtain optimal results.
2. Please refer to wwwbdbiosciencescom/pharmingen/protocols for technical protocols.
3. Caution: Sodium azide yields highly toxic hydrazoic acid under acidic conditions. Dilute azide compounds in running water before discarding to avoid accumulation of potentially explosive deposits in plumbing.
4. Source of all serum proteins is from USDA inspected abattoirs located in the United States.

**References**