Datasheet: VMA00309

**Description:** MOUSE ANTI Sp1

**Specificity:** Sp1

**Format:** Purified

**Product Type:** PrecisionAb™ Monoclonal

**Isotype:** IgG1

**Quantity:** 100 µl

**Product Details**

**Applications**
This product has been reported to work in the following applications. This information is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information. For general protocol recommendations, please visit [www.bio-rad-antibodies.com/protocols](http://www.bio-rad-antibodies.com/protocols).

<table>
<thead>
<tr>
<th>Application</th>
<th>Yes</th>
<th>No</th>
<th>Not Determined</th>
<th>Suggested Dilution</th>
</tr>
</thead>
<tbody>
<tr>
<td>Western Blotting</td>
<td></td>
<td></td>
<td></td>
<td>1/1000</td>
</tr>
</tbody>
</table>

**Target Species**
Human

**Product Form**
Purified IgG - liquid

**Preparation**
Mouse monoclonal antibody prepared by affinity chromatography on Protein G from ascites

**Buffer Solution**
Phosphate buffered saline

**Preservative Stabilisers**
0.09% Sodium Azide (NaN₃)

**Immunogen**
Recombination human Sp1

**External Database Links**

**UniProt:**
[008047](http://www.uniprot.org/uniprot/P08047) Related reagents

**Entrez Gene:**
[6667](http://www.ncbi.nlm.nih.gov/gene/6667) SP1 Related reagents

**Synonyms**
TSFP1

**Specificity**
Mouse anti Human Sp1 antibody recognizes the transcription factor Sp1, also known as specificity protein 1.
Encoded by the SP1 gene, transcription factor Sp1 is a zinc finger transcription factor that binds to GC-rich motifs of many promoters. The encoded protein is involved in many cellular processes, including cell differentiation, cell growth, apoptosis, immune responses, response to DNA damage, and chromatin remodeling. Post-translational modifications such as phosphorylation, acetylation, glycosylation, and proteolytic processing significantly affect the activity of this protein, which can be an activator or a repressor. Three transcript variants encoding different isoforms have been found for SP1 (provided by RefSeq, Oct 2011).

Mouse anti Human Sp1 antibody detects a band of 90 kDa. The antibody has been extensively validated for western blotting using whole cell lysates.

<table>
<thead>
<tr>
<th>Western Blotting</th>
<th>Anti Sp1 detects a band of approximately 90 kDa in Jurkat cell lysates</th>
</tr>
</thead>
<tbody>
<tr>
<td>Instructions For Use</td>
<td>Please refer to the PrecisionAb western blotting protocol, For additional information on secondary antibody dilution and exposure time see product web page.</td>
</tr>
<tr>
<td>Storage</td>
<td>Store undiluted at -20°C, avoiding repeated freeze thaw cycles.</td>
</tr>
<tr>
<td>Guarantee</td>
<td>As supplied, 12 months from date of despatch.</td>
</tr>
<tr>
<td>Acknowledgements</td>
<td>PrecisionAb™ is a trademark of Bio-Rad Laboratories.</td>
</tr>
<tr>
<td>Regulatory</td>
<td>For research purposes only</td>
</tr>
</tbody>
</table>

**Related Products**

**Recommended Secondary Antibodies**

Goat Anti Mouse IgG (H/L) (STAR207...) HRP

**Recommended Negative Controls**

MOUSE IgG1 NEGATIVE CONTROL (MCA928)