**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>
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<tr>
<th>Application</th>
<th>Yes</th>
<th>No</th>
<th>Not Determined</th>
<th>Suggested Dilution</th>
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</thead>
<tbody>
<tr>
<td>Western Blotting</td>
<td>1/1000</td>
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**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:**  
  - [P08047](https://www.uniprot.org/uniprot/P08047)  
  - [Related reagents](https://www.uniprot.org/uniprot/P08047)

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

**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.

**Western Blotting**
- Anti Sp1 detects a band of approximately 90 kDa in Jurkat cell lysates

**Storage**
- Store undiluted at -20°C, avoiding repeated freeze thaw cycles.

**Guarantee**
- As supplied, 12 months from date of despatch.

**Acknowledgements**
- PrecisionAb is a trademark of Bio-Rad Laboratories.

**Health And Safety Information**

**Regulatory**
- For research purposes only

**Related Products**

**Recommended Secondary Antibodies**
- Goat Anti Mouse IgG (H/L) (STAR207...) HRP

**Recommended Negative Controls**
- MOUSE IgG1 NEGATIVE CONTROL (MCA928)