**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>ELISA</td>
<td>Yes</td>
<td>No</td>
<td>Not Determined</td>
<td>0.2 - 0.4 ng/well</td>
</tr>
<tr>
<td>Western Blotting</td>
<td>Yes</td>
<td>No</td>
<td>Not Determined</td>
<td>1.5 - 3.0 ng/lane</td>
</tr>
<tr>
<td>Functional Assays</td>
<td>Yes</td>
<td>No</td>
<td>Not Determined</td>
<td>1 - 100 ng/ml</td>
</tr>
</tbody>
</table>

Where this protein has not been tested for use in a particular technique this does not necessarily exclude its use in such procedures. Suggested working dilutions are given as a guide only. It is recommended that the user titrates the product for use in their own system using appropriate positive/negative controls.

**Target Species**

Mouse

**Product Form**

Purified protein produced in *E. coli* - lyophilised

**Reconstitution**

Reconstitute with 0.1 ml distilled water

Care should be taken during reconstitution as the protein may appear as a film at the bottom of the vial. Bio-Rad recommend that the vial is gently mixed after reconstitution.

**Buffer Solution**

Phosphate buffered saline

**Preservative Stabilisers**

None present

**Endotoxin Level**

<0.1 ng/ug

**Approx. Protein Concentrations**

Total protein concentration 0.1 mg/ml after reconstitution.

**External Database Links**

UniProt:

[P20826](https://www.uniprot.org/uniprot/P20826) Related reagents

Entrez Gene:

Synonyms
Kitl, Mgf, Sl, Slf

Product Information
Recombinant Mouse stem cell factor (SCF) is a stromal cell derived cytokine that synergizes with other haemapoietic growth factors to stimulate multiple lineages of progenitors e.g. myeloid, erythroid and lymphoid blood cells. The mouse SCF can be used for both mouse and human haemopoietic cells.

Protein Molecular Weight
18.3kD (164 amino acid residues)

Activity
$1 \times 10^5$ units/mg

Purity
$>95\%$ by SDS PAGE and HPLC analysis

ELISA
This product may be used as the standard in an ELISA assay together with either AAM50 or AAM50B

Western Blotting
This product may be used the positive control for western blotting applications with either AAM50 or AAM50B

References

Storage
Prior to reconstitution store at +4°C. Following reconstitution store at -20°C. This product should be stored undiluted. Storage in frost-free freezers is not recommended. Avoid repeated freezing and thawing as this may denature the protein. Should this product contain a precipitate we recommend microcentrifugation before use.

Shelf Life
3 months from date of reconstitution.

Health And Safety Information

Regulatory
For research purposes only