**Description:** MOUSE ANTI SHEEP INTERLEUKIN-6

**Specificity:** IL-6

**Format:** Purified

**Product Type:** Monoclonal Antibody

**Clone:** 4B6

**Isotype:** IgG1

**Quantity:** 0.25 mg

**RRID** AB_322149

**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.

<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>Flow Cytometry (1)</td>
<td></td>
<td>1</td>
<td></td>
<td>5ug/ml (as a coating antibody)</td>
</tr>
<tr>
<td>Immunohistology - Frozen</td>
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<td>5ug/ml (as a coating antibody)</td>
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<tr>
<td>Immunohistology - Paraffin</td>
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<td>5ug/ml (as a coating antibody)</td>
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<td>ELISA</td>
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<td>1</td>
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<td>5ug/ml (as a coating antibody)</td>
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<tr>
<td>Immunoprecipitation</td>
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<td>5ug/ml (as a coating antibody)</td>
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<tr>
<td>Western Blotting</td>
<td>1</td>
<td></td>
<td></td>
<td>5ug/ml (as a coating antibody)</td>
</tr>
</tbody>
</table>

Where this antibody 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 antibody for use in their own system using appropriate negative/positive controls.

(1) **Membrane permeabilization is required for this application.** Bio-Rad recommend the use of Leucoperm™ (Product Code BUF09) for this purpose.

**Target Species** Sheep

**Species Cross Reactivity** Reacts with: Monkey

**N.B.** Antibody reactivity and working conditions may vary between species.

**Product Form** Purified IgG - liquid

**Preparation** Purified IgG prepared by affinity chromatography on Protein G

**Buffer Solution** Phosphate buffered saline

**Preservative Stabilisers** 0.09% Sodium Azide

**Approx. Protein** IgG concentration 1.0 mg/ml
## Concentrations

<table>
<thead>
<tr>
<th>Immunogen</th>
<th>Recombinant ovine IL-6.</th>
</tr>
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## External Database Links

<table>
<thead>
<tr>
<th>UniProt</th>
<th>Related reagents</th>
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<td>P29455</td>
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<tr>
<th>Entrez Gene</th>
<th>Related reagents</th>
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<tbody>
<tr>
<td>443406</td>
<td>IL6</td>
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</tbody>
</table>

## Specificity

**Mouse anti Sheep Interleukin-6 antibody, clone 4B6** recognizes ovine interleukin-6 (IL-6) and has also been reported to recognise recombinant human IL-6 and bovine IL-6 transfected cells. Mouse anti Sheep Interleukin-6 antibody, clone 4B6 does not cross react with ovine IL-1 beta, IL-8, MCP-1 or TNF alpha.

## Flow Cytometry

Use 10ul of the suggested working dilution to label 1x10^6 cells in 100ul.

## ELISA

MCA1659 may also be used in combination with **AHP424** in a sandwich ELISA assays for ovine IL-6.

## References


## Storage

Store at +4°C or at -20°C if preferred.

This product should be stored undiluted.
Storage in frost free freezers is not recommended. Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use.

**Guarantee**  
18 months from date of despatch.

**Health And Safety Information**  
Material Safety Datasheet documentation #10040 available at:  

**Regulatory**  
For research purposes only

**Related Products**

**Recommended Secondary Antibodies**

- Rabbit Anti Mouse IgG (STAR12...) **RPE**
- Rabbit Anti Mouse IgG (STAR13...) **HRP**
- Rabbit Anti Mouse IgG (STAR9...) **FITC**
- Goat Anti Mouse IgG (H/L) (STAR117...) **FITC**

**Recommended Negative Controls**

- MOUSE IgG1 NEGATIVE CONTROL (MCA928)

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