Datasheet: MCA1658

**Description:** MOUSE ANTI SHEEP INTERLEUKIN-1 BETA

**Specificity:** IL-1 BETA

**Format:** Purified

**Product Type:** Monoclonal Antibody

**Clone:** 1D4

**Isotype:** IgG1

**Quantity:** 0.25 mg

### 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.abdserotec.com/protocols](http://www.abdserotec.com/protocols).

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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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<td>Flow Cytometry(1)</td>
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<td>Immunohistology - Frozen</td>
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<td>Immunohistology - Paraffin</td>
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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. AbD Serotec recommend the use of Leucoperm™** (Product Code BUF09) **for this purpose.**

**Target Species**

Sheep

**Species Cross Reactivity**

Reacts with: Goat, Bovine, Horse

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

**Product Form**

Purified IgG - liquid

**Buffer Solution**

Phosphate buffered saline

**Preservative Stabilisers**

0.1% Sodium Azide

**Approx. Protein Concentrations**

IgG concentration 1.0 mg/ml

**Immunogen**

Recombinant ovine IL-1 Beta
External Database Links

UniProt: P21621 Related reagents
Entrez Gene: 443539 IL-1B Related reagents

Specificity

Mouse anti Sheep Interleukin-1 beta antibody, clone 1D4 recognizes ovine interleukin-1 beta, and shows no cross-reactivity with ovine IL-6, IL-8, TNF alpha or MCP-1.

Mouse anti Sheep Interleukin-1 beta antibody, clone 1D4 demonstrates partial neutralizing activity of ovine IL-1 beta.

Flow Cytometry

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

ELISA

This product may be used in an indirect ELISA or as a capture antibody in a bovine IL-1 beta sandwich ELISA together with AHP851B as the detection reagent. PBPO08 may be used as a standard.

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.

Shelf Life
18 months from date of despatch.

Health And Safety Information

Regulatory
For research purposes only

Related Products

Recommended Secondary Antibodies
Rabbit Anti Mouse IgG (STAR9...) FITC
Rabbit Anti Mouse IgG (STAR12...) RPE
Rabbit Anti Mouse IgG (STAR13...) HRP
Goat Anti Mouse IgG (H/L) (STAR117...) FITC

Recommended Negative Controls
MOUSE IgG1 NEGATIVE CONTROL (MCA928)