Datasheet: MCA1736

**Description:** MOUSE ANTI PIG CD25

**Specificity:** CD25

**Other names:** IL-2R ALPHA CHAIN

**Format:** S/N

**Product Type:** Monoclonal Antibody

**Clone:** K231.3B2

**Isotype:** IgG1

**Quantity:** 2 ml

### 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).

<table>
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<tr>
<th>Applications</th>
<th>Yes</th>
<th>No</th>
<th>Not Determined</th>
<th>Suggested Dilution</th>
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</thead>
<tbody>
<tr>
<td>Flow Cytometry</td>
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<td>Neat - 1/25</td>
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<tr>
<td>Immunohistology - Frozen</td>
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<td>Neat - 1/10</td>
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<tr>
<td>Immunohistology - Paraffin</td>
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<td>ELISA</td>
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<td>Immunofluorescence</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.

**Target Species**

Pig

**Product Form**

Tissue Culture Supernatant - liquid

**Preservative Stabilisers**

0.1% Sodium Azide

**Immunogen**

Con A activated porcine peripheral blood lymphocytes.

**External Database Links**

**UniProt:**

[002733](http://www.uniprot.org/uniprot/002733) Related reagents

**Entrez Gene:**

[396814](https://www.ncbi.nlm.nih.gov/protein/396814) IL2RA Related reagents

**Fusion Partners**

Spleen cells from immunised mice were fused with cells of the mouse P3-X63-Ag.8.653
myeloma cell line.

**Specificity**

Mouse anti Pig CD25, clone K231.3B2 recognizes porcine CD25, the alpha chain of the interleukin 2 receptor (IL-2Ra), also known as the low affinity Interleukin 2 receptor. The IL-2 receptor exists in three forms, the high affinity heterodimer, the intermediate affinity β monomer and the low affinity α monomer configurations. Clone K231.3B2 was clustered as CD25 at the First International Workshop to Define Swine Cluster of Differentiation (CD) Antigens (*Lunney et al.* 1994).


CD25 is a 270 amino acid single pass type I transmembrane glycoprotein containing 2 Sushi domains. Low expression of CD25 is seen on resting peripheral blood mononuclear cells, rapidly up-regulated following stimulation by concanavalin A and phorbol myristate acetate, indicative of its role as an activation antigen (*Bullido et al.* 1999).

**Flow Cytometry**

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

**References**


**Further Reading**


**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
Material Safety Datasheet Documentation #10336 available at:

Regulatory
For research purposes only

Related Products

Recommended Secondary Antibodies

- Rabbit Anti Mouse IgG (STAR8...) DyLight®800
- Goat Anti Mouse IgG (STAR70...) FITC
- Goat Anti Mouse IgG (STAR76...) RPE
- Goat Anti Mouse IgG (STAR77...) HRP
- Rabbit Anti Mouse IgG (STAR9...) FITC
- Goat Anti Mouse IgG (Fc) (STAR120...) FITC, HRP
- Goat Anti Mouse IgG IgA IgM (STAR87...) Alk. Phos., HRP
- Rabbit Anti Mouse IgG (STAR12...) RPE
- Rabbit Anti Mouse IgG (STAR13...) HRP
- HuCAL Anti Mouse IgG1 (HCA036...) HRP
- Goat Anti Mouse IgG (H/L) (STAR117...) Alk. Phos., DyLight®488, DyLight®549, DyLight®649, DyLight®800, FITC, HRP

Recommended Negative Controls

MOUSE IgG1 NEGATIVE CONTROL (MCA928)