Datasheet: MCA2479

Description: MOUSE ANTI DUCK CD8 ALPHA

Specificity: CD8 ALPHA

Format: Purified

Product Type: Monoclonal Antibody

Clone: Du CD8-1

Isotype: IgG2b

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.bio-rad-antibodies.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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<tr>
<td>Flow Cytometry</td>
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<td>1 - 10 ug/ml</td>
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<td>Immunohistology - Frozen</td>
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<td>Immunohistology - Paraffin</td>
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Where this product 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 negative/positive controls.

Target Species: Duck

Species Cross Reactivity: Does not react with: Chicken

Product Form: Purified IgG - liquid

Preparation: Purified IgG prepared by affinity chromatography on Protein G from ascites

Buffer Solution: Phosphate buffered saline

Preservative Stabilisers: 0.09% Sodium Azide

Approx. Protein Concentrations: IgG concentration 0.5 mg/ml

Immunogen: 293T cells expressing Pekin Duck CD8 alpha.
Spleen cells from immunised Balb/c mice were fused with cells of the SP2/0 mouse myeloma cell line.

**Specificity**

*Mouse anti Duck CD8 alpha antibody, clone Du CD8-1* recognizes Pekin duck CD8 alpha (CD8a). CD8a is shown to be expressed by thymocytes, splenocytes, peripheral lymphoid cells and the vast majority of bursal cells.

Since the majority of avian immune studies have been carried out on chickens, relatively little is known about the immune system of ducks, though there is a resemblance between the main lymphoid organs: the spleen, thymus and bursa of Fabricius. At the cellular level, studies have shown that like mammalian T cells, duck lymphocytes are responsive to phytohaemagglutinin (PHA).

Double-staining with clone Du CD8-1 and MCA2480 Mouse anti Duck IgY light chain clone 14A3 revealed the presence of a CD8$^{high}$/14A3$^{-}$ cytotoxic T cell population and a CD8$^{low}$/14A3$^{+}$ B cell population in duck spleen and also revealed a high percentage of CD8$^{+}$/14A3$^{+}$ cells in duck bursa (Kothlow et al. 1985). Mouse anti Duck CD8 alpha antibody, clone Du CD8-1 has been shown to not react with Mallard (*Anas platyrhynchos*).

**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.

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

**Guarantee**

12 months from date of despatch
Related Products

**Recommended Secondary Antibodies**

Goat Anti Mouse IgG (H/L) (STAR117...) *FITC*