

## Datasheet: MCA2164F

<b>Description:</b>	MOUSE ANTI CHICKEN CD4:FITC
<b>Specificity:</b>	CD4
<b>Format:</b>	FITC
<b>Product Type:</b>	Monoclonal Antibody
<b>Clone:</b>	2-35
<b>Isotype:</b>	IgG2b
<b>Quantity:</b>	0.1 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.

	Yes	No	Not Determined	Suggested Dilution
Flow Cytometry	■			Neat - 1/10

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.

<b>Target Species</b>	Chicken
<b>Species Cross Reactivity</b>	Reacts with: Turkey <b>N.B.</b> Antibody reactivity and working conditions may vary between species.
<b>Product Form</b>	Purified IgG conjugated to Fluorescein Isothiocyanate Isomer 1 (FITC) - liquid
<b>Preparation</b>	Purified IgG prepared by affinity chromatography on Protein G from tissue culture supernatant
<b>Buffer Solution</b>	Phosphate buffered saline
<b>Preservative Stabilisers</b>	0.09% Sodium Azide 1% Bovine Serum Albumin
<b>Approx. Protein Concentrations</b>	IgG concentration 0.1 mg/ml
<b>Immunogen</b>	Chicken embryonic thymocytes
<b>Fusion Partners</b>	Lymph node cells from immunised Balb/c mice were fused with cells of the SP2/0 myeloma cell line.
<b>Specificity</b>	MCA2164F recognises the chicken homologue of human CD4, a 64kD cell surface protein expressed by thymocytes and a subset of T cells. Clone 2-35 has been demonstrated to recognise Turkey CD4.
<b>Flow Cytometry</b>	Use 10ul of the suggested working dilution to label $10^6$ cells in 100ul. Method sheets are available on request
<b>References</b>	1. Vainio, O. <i>et al.</i> (1989) Characterization of chicken CD4 - expressing cells. <a href="#">Prog. Clin. Biol. Res. 307: 45 - 56.</a> 2. Li, Z., et al (1999) Cross-Reactive Anti-Chicken CD4 and CD8 Monoclonal Antibodies Suggest Polymorphism of the Turkey CD8 $\alpha$ Molecule <a href="#">Poultry Science 78:1526-1531</a>

**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. This product is photosensitive and should be protected from light.

Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use.

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**Shelf Life** 18 months from date of despatch.

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**Health And Safety Information** Material Safety Datasheet Documentation #10041 available at:  
<http://www.abdserotec.com/uploads/MSDS/10041.pdf>

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## Other formats and applications

This reagent is also available in a [Purified](#), [RPE](#) format and is useful for Immunohistology - Frozen, Immunoprecipitation

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**For research purposes only, unless otherwise specified in writing by AbD Serotec.**

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