# Datasheet: DC012

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|---|---|
| **Description:** | MOUSE IgG1:FITC/MOUSE IgG1:RPE NEGATIVE CONTROL |
| **Specificity:** | MOUSE IgG1/IgG1 NEGATIVE CONTROL |
| **Format:** | FITC/RPE |
| **Product Type:** | Negative/Isotype Control |
| **Isotype:** | Cocktail |
| **Quantity:** | 50 TESTS |

## 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.

| | Yes | No | Not Determined | Suggested Dilution |
|---|---|---|---|---|
| Flow Cytometry | ▪ | | | Neat |

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.

**Antibody Isotypes**

FITC reagent: IgG1 (MOUSE)
RPE reagent: IgG1 (MOUSE)

**Target Species**

Negative Control

**Product Form**

Dual Colour combination consisting of FITC conjugated and RPE conjugated monoclonal antibodies mixed in optimal ratio - lyophilised.

**Reconstitution**

Reconstitute with 0.5 ml distilled water

**Max Ex/Em**

| Fluorophore | Emission Max (nm) | Excitation Max (nm) |
|---|---|---|
| FITC | 525 | 490 |
| RPE 488nm laser | 578 | 496 |
| RPE 561nm laser | 578 | 546 |

**Buffer Solution**

Phosphate buffered saline

**Preservative Stabilisers**

0.09% Sodium Azide
1% Bovine Serum Albumin
5% Sucrose

**Specificity**

DC012 is suitable for use as a negative control for the measurement of non-specific binding of mouse monoclonals of isotype IgG1 to human tissues in a dual labelling technique using FITC and R-Phycoerythrin fluorochromes.

| | |
|---|---|
| **Flow Cytometry** | Use 10ul of the suggested working dilution to label $10^6$ cells or 100ul whole blood. |
| **References** | 1. Steele, J. *et al*. (2002) Detection of CD4(+)- and CD8(+)- T-cell responses to human papillomavirus type 1 antigens expressed at various stages of the virus life cycle by using an enzyme-linked immunospot assay of gamma Interferon release. J. Virol. 76: 6027 - 6036.<br>2. Youn, S.W. *et al.* (2004) Cellular senescence induced loss of stem cell proportion in the skin in vitro. J Dermatol Sci. 35: 113-23. |
| **Storage** | Prior to reconstitution store at +4ºC. Following reconstitution store at +4ºC<br><br>This product should be stored undiluted.<br><br>DO NOT FREEZE. This product is photosensitive and should be protected from light. Should this product contain a precipitate we recommend microcentrifugation before use. |
| **Shelf Life** | 12 months from date of reconstitution. |
| **Health And Safety Information** | Material Safety Datasheet documentation available at:<br>Material Safety Datasheet Documentation #10075 available at:<br>https://www.bio-rad-antibodies.com/uploads/MSDS/10075.pdf |
| **Regulatory** | For research purposes only |


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