

## Product datasheet

# Dual color: FITC + PE Mouse IgG1 monoclonal [HybIgG1] - isotype control ab1285

1 Image

### Overview

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<b>Product name</b>	Dual color: FITC + PE Mouse IgG1 monoclonal [HybIgG1] - isotype control
<b>Conjugation</b>	Dual color: FITC + PE
<b>Tested applications</b>	<b>Suitable for:</b> Flow Cyt
<b>General notes</b>	<p>This product is a mixture of the same clone separately bearing both FITC and PE labels. This product contains sodium azide, which under acid conditions yields hydrazoic acid, a toxic compound. Azide compounds should be diluted with running water before being discarded to avoid deposits in lead or copper plumbing where explosive conditions may develop.</p> <p>This antibody control duo is a direct immunofluorescence reagent used as an isotype (negative) control for flow cytometric immunophenotyping of erythrocyte-lysed whole blood with monoclonal antibodies.</p> <p>The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing the problem with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation.</p> <p>One factor contributing to the crisis is the use of antibodies that are not suitable. This can lead to misleading results and the use of incorrect data informing project assumptions and direction. To help address this challenge, we have introduced an application and species grid on our primary antibody datasheets to make it easy to simplify identification of the right antibody for your needs.</p> <p>Learn more <a href="#">here</a>.</p>

### Properties

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<b>Form</b>	Liquid
<b>Storage instructions</b>	Shipped at 4°C. Store at +4°C.
<b>Storage buffer</b>	Preservative: 0.1% Sodium azide Constituent: 0.5% BSA
<b>Isotype control notes</b>	This antibody control duo is a direct immunofluorescence reagent used as an isotype (negative) control for flow cytometric immunophenotyping of erythrocyte-lysed whole blood with monoclonal antibodies.
<b>Clonality</b>	Monoclonal

<b>Clone number</b>	HyblgG1
<b>Myeloma</b>	unknown
<b>Isotype</b>	IgG1
<b>Light chain type</b>	unknown

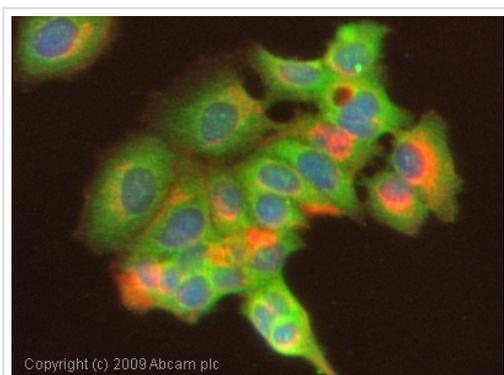
## Applications

**The Abpromise guarantee** Our [Abpromise guarantee](#) covers the use of **ab1285** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
<b>Flow Cyt</b>		Use at an assay dependent concentration. This antibody duo is used to determine the unstained lymphocyte population and to determine any non-antigen-specific antibody binding on mononuclear cells separated by density gradient or on lysed whole blood. IgG1 (FITC + PE) immunofluorescence analysis can be performed on a flow cytometerequipped with an excitation source of 488nm and fitted

## Images



Immunocytochemistry/ Immunofluorescence - Dual color: FITC + PE Mouse IgG1 monoclonal [HyblgG1] - isotype control (ab1285)

ICC/IF image of [ab2185](#) stained MCF7 cells. The cells were 100% PFA fixed (10 min) and then incubated in 1%BSA / 10% normal goat serum / 0.3M glycine in 0.1% PBS-Tween for 1h to permeabilise the cells and block non-specific protein-protein interactions. The cells were then incubated with the antibody ([ab2185](#), 1µg/ml) overnight at +4°C. The secondary antibody (green) was Alexa Fluor® 488 goat anti-rabbit IgG (H+L) used at a 1/1000 dilution for 1h. Alexa Fluor® 594 WGA was used to label plasma membranes (red) at a 1/200 dilution for 1h. DAPI was used to stain the cell nuclei (blue) at a concentration of 1.43µM.

**Please note:** All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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