

## Datasheet for ABIN2690969 **Human BD Fc Block™**



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### Overview

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Quantity:	50 µg
Reactivity:	Human, Rhesus Monkey
Application:	Flow Cytometry (FACS)

### Product Details

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Brand: BD Pharmingen™

**Characteristics:** Fcγ Receptors belong to the immunoglobulin superfamily and are expressed at varying levels in multiple cell lineages including high expression in myeloid and B cells. The major functions of Fc receptors are protective functions of the immune system. There are multiple different types of Fc receptors reflecting a variety of different biological activities, which are modulated when they are aggregated by multivalent antigen-antibody complexes. While normally serving important physiological roles in the immune system, Fc Receptors can also be the cause of nonspecific, false-positive antibody staining of cells. Human BD Fc Block™ is designed and formulated to block or significantly reduce potential non-specific antibody staining caused by receptors for IgG that may be encountered in various applications including the flow cytometric analysis of human cells. Moreover, it can increase the specificity of antibody labeling of extremely rare target cells such as antigen-specific B cells, fetal cells in maternal blood, hematopoietic progenitor cells, or disseminated epithelial tumor cells. Blocking of non-specific Fc Receptor-mediated fluorescent antibody binding with BD Pharmingen™ Human BD Fc Block™. Human peripheral blood mononuclear cells were either not treated (dashed line histogram) or preincubated with BD Pharmingen™ Human BD Fc Block™ (Cat. No. 564219/564220, solid line histogram). The cells were then stained with an excess of irrelevant PE-conjugated Mouse IgG2a antibody. The fluorescence histograms were derived from gated events with the forward and side light-scatter characteristics of viable monocytes. Flow

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cytometric analysis was performed using a BD FACSCanto™ II Flow Cytometer System.

## Application Details

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Application Notes:	Optimal working dilution should be determined by the investigator.
Comment:	BD Pharmingen™ Human BD Fc Block™ - Purified Reactivity Hu, Rhe
Restrictions:	For Research Use only

## Handling

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Concentration:	0.5 mg/mL
Buffer:	Aqueous buffered solution containing ≤0.09 % sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C
Storage Comment:	Store undiluted at 4°C.