

Mouse anti-Human IgG Monoclonal Antibody | anti-IgG antibody

anti-human IgG-R-PE

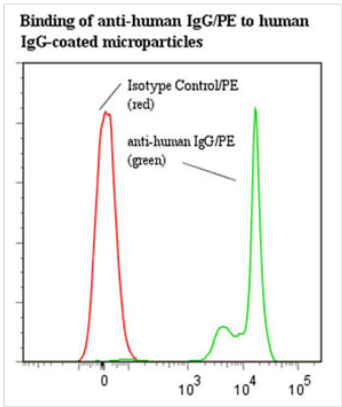
CATALOG # AAA78155	HOST Mouse	REACTIVITY Human
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PRODUCT SYNONYMS

IgG; Monoclonal Antibody; anti-human IgG-R-PE; Monoclonal anti-human IgG/R-PE; anti-IgG antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG1
Clone Number	ICO-97
Form/Format	50 mM Sodium Phosphate pH 7.5, 500 mM Potassium Chloride, 150mM NaCl, 15% Glycerol, 0.2% BSA, 0.04% NaN ₃ (as a preservative).
Concentration	Working Concentration: 15 ug/mL (varies by lot)
Immunogen	Human Ig
Production	Protein A purified antibody from tissue culture supernatant was conjugated to R-Phycoerythrin through a sulfo-ester linkage. Unconjugated antibody was removed using size exclusion chromatography. Antibody conjugate is at 0.5 ug/ml with a PE: Ab ratio of 0.7
QC Test Method	FC Binding to hulgG1k-coated beads: Specification: >2.2 log shift ; Result: 3.13 log shift PE:Ab Molar Ratio: 0.6-1.6 ; Result: 0.76
Performance	Five x 10 ⁵ human IgG-coated microparticles (Inquire) were incubated 45 minutes on ice with 80 ul of product at a dilution factor of 1:50 (15 ug/ml). They were washed three times, fixed and analyzed by FACS. Microparticles stained positive with a mean shift of 3.0 log ₁₀ fluorescent units when compared to a Mouse IgG1/R-PE negative control (Catalog#) at a similar concentration. Binding was blocked when particles were pre incubated 10 minutes with 20 ul of 0.5 mg/ml anti-hulgG antibody (Catalog#).
Preparation and Storage	Store at 2-5°C. Do not freeze! Protect from light.



FCM/FACS (Flow Cytometry)

ADDITIONAL INFORMATION

Related Product Information for anti-IgG antibody	Human immunoglobulins are glycoproteins composed of two disulfide-bonded heavy (H) chain subunits, each of which is linked by interchain disulfide bonds to a light (L) chain forming a tetramolecular complex. There are five classes of immunoglobulins, designated IgG, IgA, IgM, IgD and IgE, which are defined by differences in the constant region of H chains. L chains are divided into kappa or lambda classifications based on structural antigenic differences. All classes of immunoglobulins have been found on the cell surface of B lymphocytes where they function as antigen receptors to elicit antigen-dependent proliferation and secretion of antigen specific soluble circulating antibodies. Antibody ICO-97 recognizes cell surface human IgG on B cells.
References	Basic and Clinical Immunology, Seventh edition (D. P. Sites & A. I. Terr, eds.) Appleton & Lange., Norwalk, CT (1991).

NCBI AND UNIPROT INFORMATION

NCBI GI #	185362
NCBI Official Full Name	IgG

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.