

Mouse CD64 Monoclonal Antibody | anti-CD64 antibody

anti-human CD64-F(ab')₂

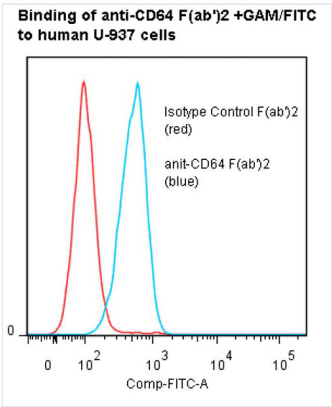
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA78158	Mouse	Human, Dog, Primate, Monkey	Flow Cytometry, Functional Assay

PRODUCT SYNONYMS

CD64; Monoclonal Antibody; anti-human CD64-F(ab')₂; Monoclonal anti-human CD64 (FcγRI) F(ab')₂; anti-CD64 antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human, Dog, Primate, Monkey
Clonality	Monoclonal
Isotype	IgG1
Clone Number	10.1
Form/Format	50 mM Sodium Phosphate pH 7.5, 500 mM Potassium Chloride, 150mM NaCl
Concentration	1.0 mg/ml (varies by lot)
Applicable Applications for anti-CD64 antibody	FCM/FACS (Flow Cytometry)
Performance	Five x 10 ⁵ cultured U-937 cells were washed and incubated 45 minutes on ice with 80 ul of anti-CD64 F(ab') ₂ at a concentration of 10 ug/ml. Cells were washed twice and incubated with 2 degree reagent Goat anti-Mouse/FITC, after which they were washed three times, fixed and analyzed by FACS. Cells stained positive with a mean shift of 0.68 log ₁₀ fluorescent units when compared to a Mouse IgG1 F(ab') ₂ negative control.
Conjugation	F(ab') ₂
Production	Antibody was Protein A purified from (low FBS containing) tissue culture supernatant. Immunoglobulin was enzymatically cleaved using Immobilized Ficin. F(ab') ₂ was separated from intact antibody and Fc fragments by Protein A and Size exclusion chromatography. Purity was >90% F(ab') ₂ by SDS-PAGE.
Buffer	50 mM Sodium Phosphate pH 7.5, 100 mM Potassium Chloride, 150mM NaCl. Product was sterile filtered and viald under aseptic conditions. No preservative added.
Immunogen	Human rheumatoid synovial fluid cells/monocytes
Preparation and Storage	Store at 2 - 5 degree C. Open under aseptic conditions. Freeze/Thawing is not recommended. Product should retain activity for at least 12 months after shipping date when stored as recommended.



Application Data

ADDITIONAL INFORMATION

Related Product Information for anti-CD64 antibody	Information: Human CD64 is a high affinity receptor for monomeric human IgG1 and IgG3 which is expressed on macrophages, monocytes, and gamma interferon induced neutrophils. CD64 plays an important role in clearance of immune complexes and in antibody dependent cytotoxicity. Antibody 10.1 recognizes the CD64 molecule of 72 kd from gene FcγRIA. Antibody 10.1 blocks binding of FcγRI to immunoglobulin opsonized cells.
References	G.J. Dougherty, et al, (1987) Eur J Immunol 17: 1453-1459. Y. Jayaram, et al, (1989) Clin Exp Immunol 75: 414-420. Leukocyte Typing V (S.F. Schlossman, et al, eds.) Oxford University Press, Oxford, (1995) p. 874-875. D.L. Durden, et al, (1995) J Immunol 154: 4039-4047. L.L. Marnell, et al, (1995) J Immunol 155: 2185-2193.

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.

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Online datasheet: <https://stage.aaabiotech.com/monoclonal/cd64-antibody-clone-10-1-flow-cytometry-elisa/78158>