CD64 (clone 22) ASR

Clone	22
Species	Mouse (anti-human)
Source	Cell culture fluid
Specificity	CD64 reacts with the Fc gamma receptor 1 (FcγR1), a glycoprotein with a molecular weight of 72 kDa. The antigen is a high-affinity receptor for IgG and is able to bind human IgG_1 and IgG_3. The antigen is expressed on macrophages, monocytes, and interferon γ (IFN-γ) and Granulocyte Colony Stimulating Factor (G-CSF) stimulated neutrophils. This antibody binds to a CD64 epitope distinct from the ligand-binding site and from the clone 32.2 antibody to CD64 epitope. It shows especially high affinity binding to human mononuclear phagocytes and polymorphonuclear leukocytes exposed to IFN-γ or G-CSF. Its binding is not blocked in the presence of human IgG or immune complexes.
Immunoglobulin Class	IgG_1 κ
Applications	• ELISA • Flow Cytometry • Fluorescent Microscopy • Western blot, Immunohistochemistry
Availability	FITC – Cat. No. CD64-22F 50 µg/mL ■ 50 µg in 1.0mL of PBS containing 0.2% BSA and 0.09% NaN_3 Working dilution is best determined by user. PE – Cat. No. CD64-22P 25 µg/mL ■ 25 µg in 1.0mL of PBS containing 0.2% BSA and 0.09% NaN_3 Working dilution is best determined by user. PE-Cy5 – Cat. No. CD64-22C 50 µg/mL ■ 50 µg in 1.0mL of PBS containing 0.2% BSA and 0.09% NaN_3 Working dilution is best determined by user. Purified - Cat. No. CD64-22U 100 µg/mL ■ 100 µg in 1.0mL of PBS containing 0.2% BSA and 0.09% NaN_3 Working dilution is best determined by user.
Handling & Storage	Store vials upright, tightly capped, at 2-8°C when not in use. Unopened vials are stable until the expiration date indicated on each vial. Avoid unnecessary cycles of warming and cooling. Protect product from temperatures above 30° C and from prolonged time at room temperature (18-26°C). Conjugated antibodies should not be frozen and should be protected from light.
Warning	Sodium azide (NaN_3) is a toxic and dangerous compound when combined with acids or metals. Solutions containing sodium azide should be disposed of properly.

Analyte Specific Reagent ■ Analytical and performance characteristics are not established.

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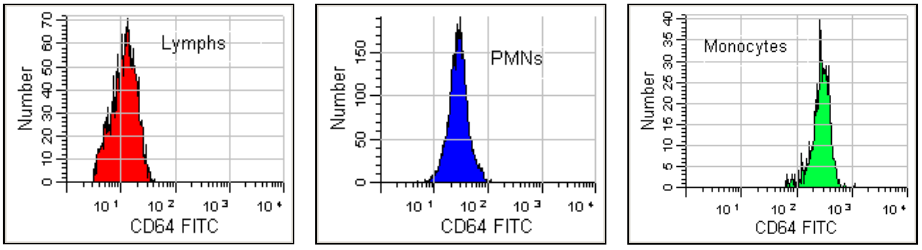
Characterization



This antibody has been found to be effective for direct immunofluorescence staining of human myeloid cells for flow cytometric analysis when used at the concentration of 10µl / 10^6 cells. However each investigator should titer the antibody in their application to determine the optimal per-test amount.

The performance and specificity of this antibody have been tested using Trillium's in-house quality control methods. Manufacturing of the antibody preparation is done using good manufacturing production guidelines.

Warranty

This product is made in the EU and is warranted to conform to the labeled specifications. There are no warranties expressed or implied that extend beyond the labeled product description. Neither Trillium Diagnostics nor IQ Products will be held liable for any damage to person or property, or any economic loss related to the use of this product. Trillium Diagnostics'or IQ Products' sole liability is limited to replacement or refund of defective product.

Technical Support

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References

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