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Quellenstraße 110, A-1100 Wien

T. +43(0)1 489 3961-0

F. +43(0)1 489 3961-7

[mail@szabo-scandic.com](mailto:mail@szabo-scandic.com)

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## FITC Mouse Anti-Human CD63 Monoclonal Antibody

**CLX66F**

**Size:** 100 Tests

**Clone:** MEM-259

**Isotype:** Mouse IgG1

**Specificity:** The antibody MEM-259 reacts with CD63 (LAMP-3), a 40-60 kDa tetraspan glycoprotein expressed by granulocytes, platelets, T cells, monocytes/macrophages and endothelial cells. Cell surface exposition of CD63 is usually activation-dependent.

**Immunogen:** HPB-ALL T cell line

**Species Reactivity:** Human

**Preparation:** The purified antibody is conjugated with Fluorescein isothiocyanate (FITC) under optimum conditions. The reagent is free of unconjugated FITC and adjusted for direct use. No reconstitution is necessary.

**Storage Buffer:** The reagent is provided in stabilizing phosphate buffered saline (PBS) solution containing 15mM sodium azide.

**Storage / Stability:** Store in the dark at 2-8°C. Do not freeze. Avoid prolonged exposure to light. Do not use after expiration date stamped on vial label.

**Usage:** The reagent is designed for Flow Cytometry analysis of human blood cells using 20 µl reagent / 100 µl of whole blood or 10<sup>6</sup> cells in a suspension. The content of a vial (2 ml) is sufficient for 100 tests.

*Continued Overleaf.....*

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**Background:**

**CD63** (LAMP-3, lysosome-associated membrane protein-3), a glycoprotein of tetraspanin family, is present in late endosomes, lysosomes and secretory vesicles of various cell types. It is also present in the plasma membrane, usually following cell activation. Hence, it has become a widely used basophil activation marker. In mast cells, however, CD63 exposition does not need their activation. CD63 interacts with integrins and affects phagocytosis and cell migration, it is also involved in H/K-ATPase trafficking regulation of ROMK1 channels. CD63 also serves as a T-cell co-stimulation molecule. Expression of CD63 can be used for predicting the prognosis in earlier stages of carcinomas.

**References:**

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**Laboratory Reagent For Research Use Only**