

# anti-human CD63

## Monoclonal Antibody EC33 to CD63 (human)

**Cat-No:** 21380631

100 µg in 100 µl

**Clone:** EC33

**Specificity:** The antibody EC33 reacts with CD63, a 40 – 60 kDa tetraspan glycoprotein expressed by granulocytes, platelets, T cells, monocytes/macrophages and endothelial cells. Cell surface exposition of CD63 is usually activationdependent.

**Isotype subclass:** Mouse IgG1

**Purity:** > 95% (by SDS-PAGE)

**Form:** Purified from hybridoma culture supernatant by protein-A affinity chromatography.

**Physical state:** Liquid

**Buffer/Additives/Preservative:** PBS, pH 7.2, containing 0.09% sodium azide.

**Expiration date:** The reagent is stable until the expiry date stated on the vial label.

**Storage conditions:** Store at 4 °C. For long-term storage aliquot and store at -20°C. Avoid freeze/thaw cycles.

**Application:** Application: Flow Cytometry

**Background:** CD63 is intracellular lysosomal/endosomal/granule protein that is translocated to cell surface upon activation of platelets, endothelial cells, and granulocytes (activation marker). CD63 is also expressed on monocytes/macrophages and endothelium.

Its cellular function has not been exactly elucidated. CD63 is thought to be associated with the early stages of melanoma tumor progression (in regulation of motility and adhesion of melanoma cells).

**References:** \*Mantegazza AR and other: 2004 Aug 15;104(4):118 390.

**Warning:** Sodium azide is harmful if swallowed (R22). Keep out of reach of children (S2). Keep away from food, drink and animal feeding stuff (S13). Wear suitable protective clothing (S36). If swallowed, seek medical advice immediately and show this container or label (S46). Contact with acids liberates very toxic gas (R32). Azide compounds should be flushed with large volumes of water during disposal to avoid deposits in lead or copper plumbing where explosive conditions can develop.

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