

**CD63 Antigen (CD63) Antibody (FITC)**

Catalogue No.: abx200427

CD63 is a 53 kDa, type III lysosomal glycoprotein, expressed on activated platelets, monocytes and macrophages. CD63 contains four hydrophobic transmembrane domains with a major extracellular region of 95 amino acids between transmembrane segments 3 and 4. The COOH-terminal sequence SGYEVN functions as a lysosomal targeting sequence. This molecule is also referred highly to as LIMP, gp55, melanoma-associated antigen ME491, Pltgp40, LAMP-3 and is a member of the tetraspan transmembrane 4 superfamily (TM4SF). It is also widely expressed on surface and in the cytoplasm of various hematopoietic (monocytes, macrophages) and non-hematopoietic cells (endothelium, fibroblasts, osteoclasts, smooth muscle). Its cellular function has not been fully elucidated. Reports suggest this as a useful molecule to study platelet activation.

**Target:** CD63**Reactivity:** Human**Host:** Mouse**Clonality:** Monoclonal**Tested Applications:** FCM**Recommended dilutions:** FCM: 20 µl/1 million cells. Optimal dilutions/concentrations should be determined by the end user.**Immunogen:** Tissue / cell preparation (Human cytochrome B enriched cells).**Purification:** Affinity Chromatography**Form:** Liquid**Isotype:** IgG<sub>1</sub>**Conjugation:** FITC**Specificity:** CD63 is a 53 kD, type III lysosomal glycoprotein, expressed on activated platelets, monocytes and macrophages. CD63 contains four hydrophobic transmembrane domains with a major extracellular region of 95 amino acids between transmembrane segments 3 and 4. The COOH-terminal sequence SGYEVN functions as a lysosomal targeting sequence. This molecule is also referred highly to as LIMP, gp55, melanoma-associated antigen ME491, Pltgp40, LAMP-3 and is a member of the tetraspan transmembrane 4 superfamily (TM4SF). It is also widely expressed on surface and in the cytoplasm of various hematopoietic (monocytes, macrophages) and non-hematopoietic cells (endothelium, fibroblasts, osteoclasts, smooth muscle). Its cellular function has not been fully elucidated. Reports suggest this as a useful molecule to study platelet activation.**Storage:** Store in the dark at 2-8 °C.

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**Molecular Weight:** 53 kDa

**Swiss Prot:** [P08962](#)

**GeneID:** [967](#)

**Buffer:** The reagent is provided in aqueous buffered solution containing protein stabilizer, and  $\leq 0.09\%$  sodium Azide

**Note:** This product is for research use only.