

CD63 Antigen (CD63) Antibody

Catalogue No.: abx200426

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, PItgp40, 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**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:** IgG₁**Conjugation:** Unconjugated

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, PItgp40, 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.**Molecular Weight:** 53 kDa

Abbexa Ltd, Innovation Centre, Cambridge Science Park, Cambridge, CB4 0EY, UK
Telephone: +44 (0) 1223 755950 - Fax: +44 (0) 1223 755951 - E-Mail: info@abbexa.com

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.