

Anti-CD63 Reference Antibody (Regeneron patent anti-CD63)

Catalog # APR11310

Product Information

Application	Functional assay, Kinetics (SPR), Kinetics (BLI), FACS, E, FTA
Primary Accession	P08962
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG1
Calculated MW	25637

Additional Information

Target/Specificity	CD63
Expression system	CHO

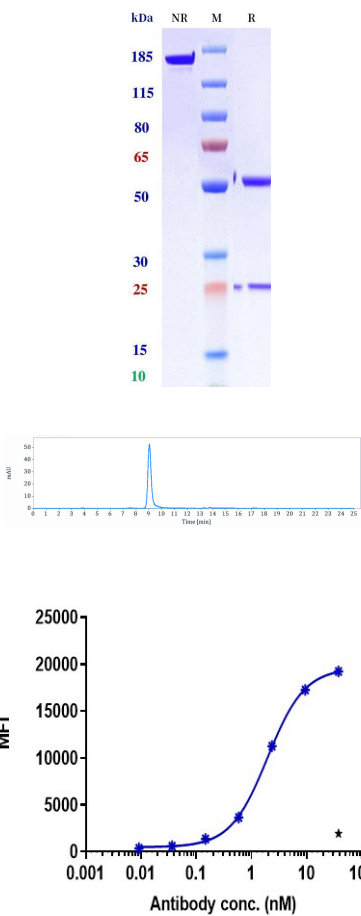
Protein Information

Name	CD63
Synonyms	MLA1, TSPAN30
Function	Functions as a cell surface receptor for TIMP1 and plays a role in the activation of cellular signaling cascades. Plays a role in the activation of ITGB1 and integrin signaling, leading to the activation of AKT, FAK/PTK2 and MAP kinases. Promotes cell survival, reorganization of the actin cytoskeleton, cell adhesion, spreading and migration, via its role in the activation of AKT and FAK/PTK2. Plays a role in VEGFA signaling via its role in regulating the internalization of KDR/VEGFR2. Plays a role in intracellular vesicular transport processes, and is required for normal trafficking of the PMEL luminal domain that is essential for the development and maturation of melanocytes. Plays a role in the adhesion of leukocytes onto endothelial cells via its role in the regulation of SELP trafficking. May play a role in mast cell degranulation in response to Ms4a2/FcεRI stimulation, but not in mast cell degranulation in response to other stimuli.
Cellular Location	Cell membrane; Multi-pass membrane protein. Lysosome membrane; Multi-pass membrane protein. Late endosome membrane; Multi-pass membrane protein. Endosome, multivesicular body. Melanosome. Secreted, extracellular exosome. Cell surface. Note=Also found in Weibel-Palade bodies of endothelial cells (PubMed:10793155). Located in platelet dense granules (PubMed:7682577). Detected in a subset of pre-melanosomes Detected on intraluminal vesicles (ILVs) within multivesicular bodies (PubMed:21962903).

Tissue Location

Detected in platelets (at protein level). Dysplastic nevi, radial growth phase primary melanomas, hematopoietic cells, tissue macrophages.

Images



Anti-CD63 Reference Antibody (Regeneron patent anti-CD63) on SDS-PAGE under reducing (R) condition. The purity of the protein is greater than 95%.

The purity of Anti-CD63 Reference Antibody (Regeneron patent anti-CD63) is 99.33%, determined by SEC-HPLC.

THP-1 cell line were stained with Regeneron patent anti-CD63 and negative control protein respectively, washed and then followed by PE and analyzed with FACS, with the EC50 is 1.95 nM.

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