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Anti-CD63 Antibody (clone NKI/C-3)

Mouse Anti Human Monoclonal Antibody
Catalog # ALS17758

Specification

Anti-CD63 Antibody (clone NKI/C-3) - Product Information

Application	**IHC-P**
Primary Accession	P08962
Predicted	**Human**
Host	**Mouse**
Clonality	**Monoclonal**
Isotype	**IgG1,k**
Calculated MW	**25637**

Anti-CD63 Antibody (clone NKI/C-3) - Additional Information

Gene ID 967

Alias Symbol	**CD63**

Other Names
CD63, CD63 molecule, LAMP-3, ME491, Granulophysin, MLA1, Tetraspanin-30, Tspan-30, CD63 antigen, OMA81H, TSPAN30

Reconstitution & Storage
Protein G purified

Precautions
Anti-CD63 Antibody (clone NKI/C-3) is for research use only and not for use in diagnostic or therapeutic procedures.

Anti-CD63 Antibody (clone NKI/C-3) - 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/FceRI 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 intralumenal 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.

Anti-CD63 Antibody (clone NKI/C-3) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

Anti-CD63 Antibody (clone NKI/C-3) - Images