

## ARG67227 anti-CD63 antibody

Package: 100 µl  
Store at: -20°C

### Summary

Product Description	Rabbit Polyclonal antibody recognizes CD63
Tested Reactivity	Hu, Ms, Rat
Tested Application	FACS, IHC-P, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	CD63
Species	Human
Immunogen	Synthetic peptide (extracellular domain) form Human CD63.
Conjugation	Un-conjugated
Alternate Names	CD63; CD63 Molecule; TSPAN30; ME491; MLA1; Ocular Melanoma-Associated Antigen; CD63 Antigen (Melanoma 1 Antigen); Melanoma-Associated Antigen ME491; Tetraspanin-30; Granulophysin; CD63 Antigen; Tspan-30; OMA81H; Limp1; Lysosomal-Associated Membrane Protein 3; Lysosome Integral Membrane Protein 1; Melanoma-Associated Antigen MLA1; LAMP-3

### Application Instructions

Application table	Application	Dilution
	FACS	1:100
	IHC-P	1:100
	WB	1:1000
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	
Observed Size	20-50 kDa	

### Properties

Form	Liquid
Purification	Affinity purified
Buffer	100 mM Tris Glycine (pH 7.0), 0.025% ProClin 300 and 20% Glycerol.
Preservative	0.025% ProClin 300
Stabilizer	20% Glycerol
Concentration	1.51 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated

freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.

**Note** For laboratory research only, not for drug, diagnostic or other use.

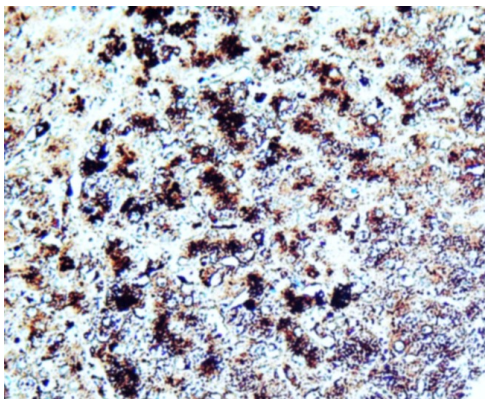
## Bioinformation

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Gene Symbol	CD63
Gene Full Name	CD63 Molecule
Background	The protein encoded by this gene is a member of the transmembrane 4 superfamily, also known as the tetraspanin family. Most of these members are cell-surface proteins that are characterized by the presence of four hydrophobic domains. The proteins mediate signal transduction events that play a role in the regulation of cell development, activation, growth and motility. The encoded protein is a cell surface glycoprotein that is known to complex with integrins. It may function as a blood platelet activation marker. Deficiency of this protein is associated with Hermansky-Pudlak syndrome. Also this gene has been associated with tumor progression. Alternative splicing results in multiple transcript variants encoding different protein isoforms. [provided by RefSeq, Apr 2012]
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. [Uniprot]
Calculated Mw	26 kDa
PTM	Glycoprotein, Lipoprotein, Palmitate. [Uniprot]
Cellular Localization	Cell membrane, Endosome, Lysosome, Membrane, Secreted. [Uniprot]

## Images

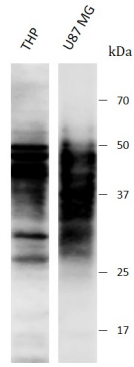
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ARG67227 anti-CD63 antibody IHC-P image

Immunohistochemistry: hepatocellular carcinoma stained with ARG67227 anti-CD63 antibody at 1:100 dilution.

ARG67227 anti-CD63 antibody WB image



Western blot: THP-1, U87mg stained with ARG67227 anti-CD63 antibody at 1:1000 dilution.