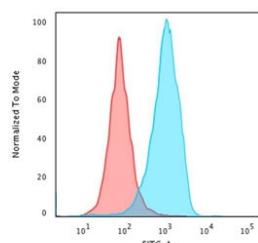


## CD63 Antibody / LAMP-3 [clone CDLA63-1] (V7190)

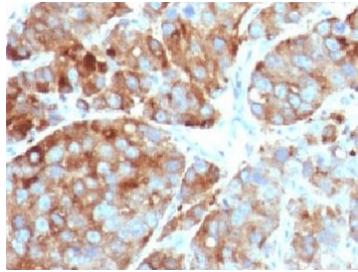
Catalog No.	Formulation	Size
V7190-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	100 ug
V7190-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	20 ug
V7190SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug
V7190IHC-7ML	Prediluted in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide; *For IHC use only*	7 ml

[Bulk quote request](#)

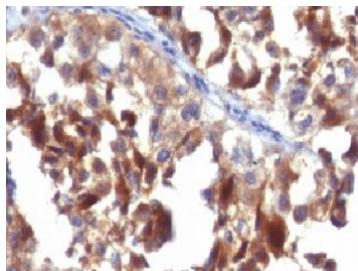
<b>Availability</b>	1-3 business days
<b>Species Reactivity</b>	Human
<b>Format</b>	Purified
<b>Host</b>	Mouse
<b>Clonality</b>	Monoclonal (mouse origin)
<b>Isotype</b>	Mouse IgG2a, kappa
<b>Clone Name</b>	CDLA63-1
<b>Purity</b>	Protein G affinity chromatography
<b>UniProt</b>	P08962
<b>Localization</b>	Cytoplasmic
<b>Applications</b>	Flow Cytometry : 0.5-1ug/million cells in 0.1ml Immunohistochemistry (FFPE) : 1-2ug/ml for 30 min at RT (1) Prediluted IHC Only Format : incubate for 30 min at RT (2)
<b>Limitations</b>	This CD63 antibody is available for research use only.



Flow cytometry testing of PFA-fixed human U-87 MG cells with CD63 antibody (clone CDLA63-1); Red=isotype control, Blue= CD63 antibody.



IHC testing of FFPE human prostate carcinoma with CD63 antibody (clone CDLA63-1).  
HIER: FFPE testing requires sections to be boiled in pH6 10mM citrate buffer for 10-20 minutes, followed by cooling at RT for 20 minutes, prior to staining.



IHC testing of FFPE human melanoma with CD63 antibody (clone CDLA63-1). HIER: FFPE testing requires sections to be boiled in pH6 10mM citrate buffer for 10-20 minutes, followed by cooling at RT for 20 minutes, prior to staining.

## Description

CD63 functions as 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. [UniProt]

## Application Notes

Titering of the CD63 antibody may be required for optimal performance.

- 1.
2. The prediluted format is supplied in a dropper bottle and is optimized for use in IHC. After epitope retrieval step (if required), drip mAb solution onto the tissue section and incubate at RT for 30 min.

## Immunogen

Recombinant human full-length protein was used as the immunogen for the CD63 antibody.

## Storage

Store the CD63 antibody at 2-8oC (with azide) or aliquot and store at -20oC or colder (without azide).

