

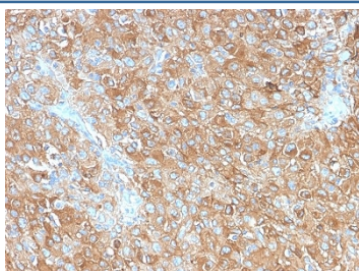
## Recombinant CD63 Antibody / LAMP-3 [clone LAMP3/2990R] (V7373)

| Catalog No.    | Formulation   | Size   |
|----------------|---|--------|
| V7373-100UG    | 0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide                      | 100 ug |
| V7373-20UG     | 0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide                      | 20 ug  |
| V7373SAF-100UG | 1 mg/ml in 1X PBS; BSA free, sodium azide free  | 100 ug |
| V7373IHC-7ML   | Prediluted in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide; *For IHC use only* | 7 ml   |

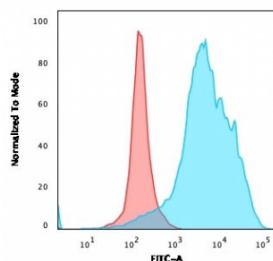
Recombinant **RABBIT MONOCLONAL**

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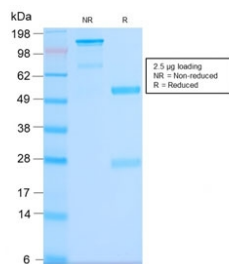
|                    |   |
|--------------------|---|
| Availability       | 1-3 business days   |
| Species Reactivity | Human   |
| Format             | Purified  |
| Clonality          | Recombinant Rabbit Monoclonal   |
| Isotype            | Rabbit IgG, kappa   |
| Clone Name         | LAMP3/2990R   |
| Purity             | Protein A affinity chromatography   |
| UniProt            | P08962  |
| Localization       | Cytoplasmic   |
| Applications       | Flow Cytometry : 1-2ug/10 <sup>6</sup> cells<br>Immunohistochemistry (FFPE) : 1-2ug/ml for 30 min at RT |
| Limitations        | This recombinant CD63 antibody is available for research use only.                                      |



IHC staining of FFPE human prostate carcinoma with recombinant CD63 antibody (clone LAMP3/2990R). HIER: boil tissue sections in 10mM Tris with 1mM EDTA, pH 9 for 10-20 min followed by cooling.



Flow cytometry testing of PFA-fixed human U-87 MG cells with CD63 antibody (clone LAMP3/2990R); Red=isotype control, Blue= CD63 antibody.



SDS-PAGE analysis of purified, BSA-free recombinant CD63 antibody (clone LAMP3/2990R) as confirmation of integrity and purity.

## Description

This mAb recognizes protein of 26kDa-60kDa, which is identified as CD63/LAMP-3. The tetraspanins are integral membrane proteins expressed on cell surface and granular membranes of hematopoietic cells and are components of multi-molecular complexes with specific integrins. The tetraspanin CD63/LAMP-3 is a lysosomal membrane glycoprotein that translocates to the plasma membrane after platelet activation. It is expressed on activated platelets, monocytes and macrophages, and is weakly expressed on granulocytes, T cell and B cells. It is located on the basophilic granule membranes and on the plasma membranes of lymphocytes and granulocytes. CD63 is a member of the TM4 superfamily of leukocyte glycoproteins that includes CD9, CD37 and CD53, which contain four transmembrane regions. CD63/LAMP-3 may play a role in phagocytic and intracellular lysosome-phagosome fusion events. Deficiency is associated with Hermansky-Pudlak syndrome and is strongly expressed during the early stages of melanoma progression.

## Application Notes

Optimal dilution of the recombinant CD63 antibody should be determined by the researcher.

1. 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 recombinant CD63 antibody.

## Storage

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

