

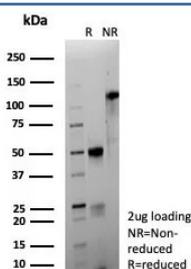
Recombinant CD63 Antibody / LAMP-3 [clone LAMP3/9191R] (V5449)

| Catalog No. | Formulation | Size |
|----------------|---|--------|
| V5449-100UG | 0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide | 100 ug |
| V5449-20UG | 0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide | 20 ug |
| V5449SAF-100UG | 1 mg/ml in 1X PBS; BSA free, sodium azide free | 100 ug |

Recombinant **RABBIT MONOCLONAL**

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| | |
|---------------------------|--|
| Availability | 1-3 business days |
| Species Reactivity | Human |
| Format | Purified |
| Host | Rabbit |
| Clonality | Recombinant Rabbit Monoclonal |
| Isotype | Rabbit IgG, kappa |
| Clone Name | LAMP3/9191R |
| Purity | Protein A/G affinity |
| UniProt | P08962 |
| Localization | Cytoplasm, Cell membrane |
| Applications | Immunohistochemistry (FFPE) : 1-2ug/ml |
| Limitations | This recombinant CD63 antibody is available for research use only. |



SDS-PAGE analysis of purified, BSA-free recombinant CD63 antibody (clone LAMP3/9191R) as confirmation of integrity and purity.

Description

This MAb recognizes protein of 26kDa-60kDa, which is identified as CD63. Its epitope is different from that of MAb LAMP3/529. 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 is a lysosomal membrane glycoprotein that translocates to the plasma membrane after platelet activation. CD63 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 may play a role in phagocytic and intracellular lysosome-phagosome fusion events. CD63 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.

Immunogen

A recombinant fragment (within amino acids 100-200) of human CD63 protein was used as the immunogen for the recombinant CD63 antibody.

Storage

Aliquot the recombinant CD63 antibody and store frozen at -20°C or colder. Avoid repeated freeze-thaw cycles.