# Recombinant CD63 (Late Endosomes Marker) Antibody

Rabbit Monoclonal Antibody [Clone LAMP3/9191R]

| Catalog No | Format | Size |
|---|---|---|
| 967-RBM31-P0 | Purified Ab with BSA and Azide at 200ug/ml | 20 ug |
| 967-RBM31-P1 | Purified Ab with BSA and Azide at 200ug/ml | 100 ug |
| 967-RBM31-P1ABX | Purified Ab WITHOUT BSA or Azide at 1.0mg/ml | 100 ug |

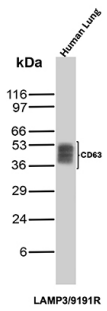
| Applications | Tested Dillution | Note |
|---|---|---|
| Immunohistochemistry (IHC) | 1-2ug/ml | 30 min at RT. Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 45 min at 95°C followed by cooling at RT for 20 minutes |
| Western Blot (WB) | 2-4ug/ml | |

## Product Details

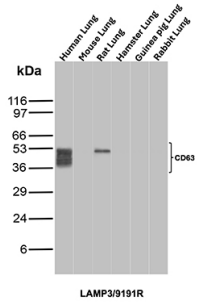
| | |
|---|---|
| **Clone** | LAMP3/9191R |
| **Immunogen** | Recombinant fragment (around aa108-196) of the human CD63 protein (exact sequence is proprietary) |
| **Host** | Rabbit |
| **Clonality** | Monoclonal |
| **Isotype / Light Chain** | IgG / Kappa |
| **Mol. Weight of Antigen** | 25.64kDa |
| **Cellular Localization** | Cell membrane, Cell surface, Endosome, Extracellular exosome, Late endosome membrane, Lysosome membrane, Melanosome, Multivesicular body, Secreted |
| **Species Reactivity** | Human, Rat |
| **Positive Control** | HL60\|SK-MEL-28\|THP-1 or NIH/3T3 cells. Melanoma or lymphoma.\|U87MG, Lung |

**Optimal dilution for a specific application should be determined.*

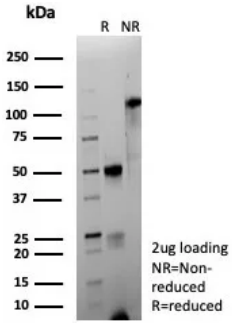
## Product Images for Recombinant CD63 (Late Endosomes Marker) Antibody




Western Blot Analysis of Human Lung lysate using CD63 Recombinant Rabbit Monoclonal Antibody (LAMP3/9191R).




Western Blot Analysis of Lung tissue lysates of different species using CD63 Recombinant Rabbit Monoclonal Antibody (LAMP3/9191R).




SDS-PAGE Analysis of Purified CD63 Recombinant Rabbit Monoclonal Antibody (LAMP3/9191R). Confirmation of Purity and Integrity of Antibody.

## Specificity & Comments

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.

## Supplied As

200ug/ml of Ab produced in a mammalian-based expression system. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.

## Storage and Stability

Antibody with azide - store at 2 to 8 °C. Antibody without azide - store at -20 to -80 °C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.

## Limitations and Warranty

This antibody is available for research use only and is not approved for use in diagnosis.There are no warranties, expressed or implied, which extend beyond this description. Company is not liable for any personal injury or economic loss resulting from this product.