

# Product Datasheet

## CD63 Antibody (SPM524) - Azide and BSA Free NBP2-34779-0.1mg

Unit Size: 0.1 mg

Store at -20 to -80C. Avoid freeze-thaw cycles.

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**NBP2-34779-0.1mg**

CD63 Antibody (SPM524) - Azide and BSA Free

| Product Information |   |
|---------------------|---|
| Unit Size           | 0.1 mg  |
| Concentration       | 1.0 mg/ml                                       |
| Storage             | Store at -20 to -80C. Avoid freeze-thaw cycles. |
| Clonality           | Monoclonal                                      |
| Clone               | SPM524  |
| Preservative        | No Preservative                                 |
| Isotype             | IgG1 Kappa                                      |
| Purity              | Protein A or G purified                         |
| Buffer              | 10 mM PBS                                       |

| Product Description     |  |
|-------------------------|--|
| Description             | <p>1.0 mg/ml of antibody purified from Bioreactor Concentrate by Protein A/G. Prepared in 10mM PBS WITHOUT BSA &amp; azide. Also available at 200 ug/ml WITH BSA &amp; azide (NBP2-32943).</p> <p>Antibody with azide - store at 2 to 8C. Antibody without azide - store at -20 to -80 C.</p>  |
| Host                    | Mouse  |
| Gene ID                 | 967  |
| Gene Symbol             | CD63   |
| Species                 | Human, Mouse   |
| Marker                  | Late Endosomes Marker  |
| Specificity/Sensitivity | <p>This monoclonal antibody recognizes protein of 26kDa-60kDa, which is identified as CD63. Its epitope is different from that of monoclonal antibody 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.</p> |
| Immunogen               | Smooth plasma membrane fraction of MeWo cells  |

| Product Application Details |   |
|-----------------------------|---|
| Applications                | Western Blot, Flow Cytometry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin                                  |
| Recommended Dilutions       | Western Blot 0.5-1ug/ml, Flow Cytometry, Immunohistochemistry, Immunocytochemistry/ Immunofluorescence 0.5-1ug/ml, Immunohistochemistry-Paraffin 0.5-1ug/ml |

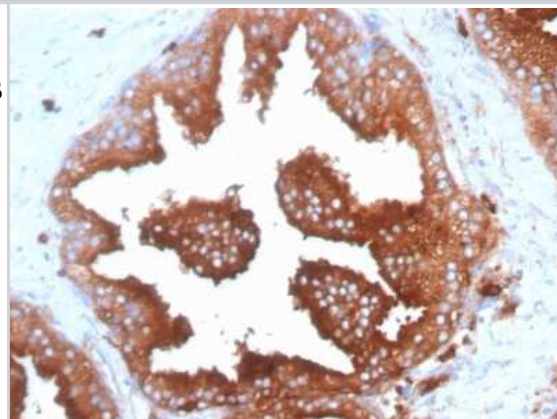


**Application Notes**

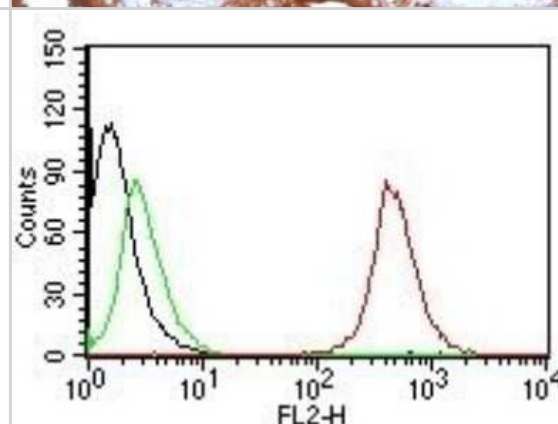
Immunohistochemistry (Formalin-fixed): 1-2ug/ml for 30 minutes at RT. Staining of formalin-fixed tissues is enhanced by boiling tissue sections in 10mM Citrate Buffer, pH 6.0, for 10-20 min followed by cooling at RT for 20 minutes. Optimal dilution for a specific application should be determined.

**Images**

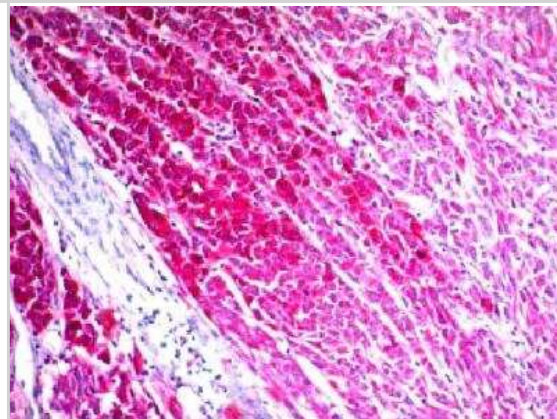
Immunohistochemistry-Paraffin: CD63 Antibody (SPM524) - Azide and BSA Free [NBP2-34779] - Formalin-fixed, paraffin-embedded human prostate stained with CD63 Mouse Monoclonal Antibody (SPM524) (DAB chromogen).



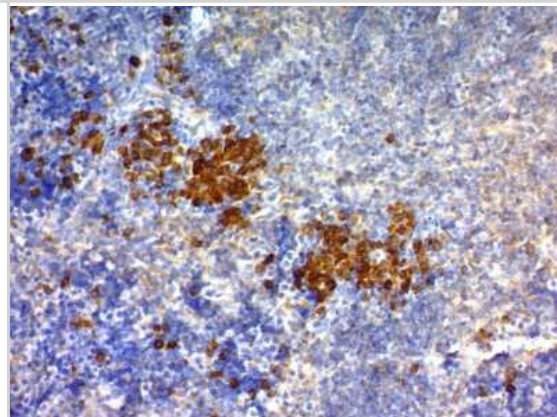
Flow Cytometry: CD63 Antibody (SPM524) - Azide and BSA Free [NBP2-34779] - Flow Cytometric staining of human CD63 on MCF-7 cells. Black: cells alone; Green: Isotype Control; Red: PE-labeled CD63 Monoclonal Antibody (SPM524).



Immunohistochemistry-Paraffin: CD63 Antibody (SPM524) - Azide and BSA Free [NBP2-34779] - Formalin-fixed paraffin-embedded human melanoma stained with CD63 monoclonal antibody (SPM524) (AEC chromogen)



Immunohistochemistry-Paraffin: CD63 Antibody (SPM524) - Azide and BSA Free [NBP2-34779] - Formalin-paraffin mouse spleen stained with CD63 MAb (SPM524)





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### Products Related to NBP2-34779-0.1mg

|                   |   |
|-------------------|---|
| HAF007            | Goat anti-Mouse IgG Secondary Antibody [HRP]            |
| NB720-B           | Rabbit anti-Mouse IgG (H+L) Secondary Antibody [Biotin] |
| NBP1-43319-0.5mg  | Mouse IgG1 Kappa Isotype Control (P3.6.2.8.1)           |
| H00000967-G01-2ug | Recombinant Human CD63 Protein                          |

### Limitations

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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