

# Product Datasheet

## CD63 Antibody (SPM524) [Alexa Fluor® 405] NBP2-34779AF405

Unit Size: 0.1 ml

Store at 4C in the dark.

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**NBP2-34779AF405**

CD63 Antibody (SPM524) [Alexa Fluor® 405]

| <b>Product Information</b>     |   |
|--------------------------------|---|
| <b>Unit Size</b>               | 0.1 ml  |
| <b>Concentration</b>           | Please see the vial label for concentration. If unlisted please contact technical services.   |
| <b>Storage</b>                 | Store at 4C in the dark.  |
| <b>Clonality</b>               | Monoclonal  |
| <b>Clone</b>                   | SPM524  |
| <b>Preservative</b>            | 0.05% Sodium Azide  |
| <b>Isotype</b>                 | IgG1 Kappa  |
| <b>Conjugate</b>               | Alexa Fluor 405   |
| <b>Purity</b>                  | Protein A or G purified   |
| <b>Buffer</b>                  | 50mM Sodium Borate  |
| <b>Product Description</b>     |   |
| <b>Host</b>                    | Mouse   |
| <b>Gene ID</b>                 | 967   |
| <b>Gene Symbol</b>             | CD63  |
| <b>Species</b>                 | Human, Mouse  |
| <b>Reactivity Notes</b>        | Mouse reactivity reported in scientific literature (PMID: 31207235).  |
| <b>Marker</b>                  | Late Endosomes Marker   |
| <b>Specificity/Sensitivity</b> | 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. |
| <b>Immunogen</b>               | Smooth plasma membrane fraction of MeWo cells   |

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| <b>Product Application Details</b> |  |
|------------------------------------|--|
| <b>Applications</b>                | Western Blot, Flow Cytometry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin |
| <b>Recommended Dilutions</b>       | Western Blot, Flow Cytometry, Immunohistochemistry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry-Paraffin |





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### **Products Related to NBP2-34779AF405**

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|                   |   |
|-------------------|---|
| IC002V            | Mouse IgG1 Isotype Control (11711) [Alexa Fluor® 405] |
| H00000967-G01-2ug | Recombinant Human CD63 Protein                        |
| 203-IL-010        | IL-3 [Unconjugated]                                   |
| 5048-CD-050       | CD63 [Unconjugated]                                   |

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### **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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