

# Product Datasheet

## CD68/SR-D1 Antibody (A3C3-R) NBP3-32163

Unit Size: 100 ul

Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.

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**NBP3-32163**

CD68/SR-D1 Antibody (A3C3-R)

<b>Product Information</b>	
<b>Unit Size</b>	100 ul
<b>Concentration</b>	1 mg/ml
<b>Storage</b>	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
<b>Clonality</b>	Monoclonal
<b>Clone</b>	A3C3-R
<b>Preservative</b>	0.05% Sodium Azide
<b>Isotype</b>	IgG1
<b>Purity</b>	Protein A purified
<b>Buffer</b>	PBS (pH7.4), 0.1% BSA and 40% Glycerol
<b>Target Molecular Weight</b>	37 kDa
<b>Product Description</b>	
<b>Description</b>	Novus Biologicals Mouse CD68/SR-D1 Antibody (A3C3-R) (NBP3-32163) is a recombinant monoclonal antibody validated for use in IHC, WB, Flow and ICC/IF. All Novus Biologicals antibodies are covered by our 100% guarantee.
<b>Host</b>	Mouse
<b>Gene ID</b>	968
<b>Gene Symbol</b>	CD68
<b>Species</b>	Human
<b>Immunogen</b>	Synthetic peptide within human CD68/SR-D1 aa 320-354. (Uniprot: P34810)
<b>Product Application Details</b>	
<b>Applications</b>	Western Blot, Immunohistochemistry-Paraffin, Flow Cytometry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry
<b>Recommended Dilutions</b>	Western Blot 1:1000, Flow Cytometry 1:1000, Immunohistochemistry, Immunocytochemistry/ Immunofluorescence 1:100, Immunohistochemistry-Paraffin 1:1000



## Images

Western Blot: CD68/SR-D1 Antibody (A3C3-R) [NBP3-32163] - Western blot analysis of CD68/SR-D1 on different lysates with Mouse anti-CD68/SR-D1 antibody (NBP3-32163) at 1/1,000 dilution.

Lane 1: THP-1 cell lysate  
Lane 2: U-937 cell lysate  
Lane 3: U-87 MG cell lysate  
Lane 4: Jurkat cell lysate (negative)

Lysates/proteins at 10 ug/Lane.

Predicted band size: 37 kDa  
Observed band size: 100-150 kDa

Exposure time: 2 minutes 45 seconds;

4-20% SDS-PAGE gel.

Proteins were transferred to a PVDF membrane and blocked with 5% NFDN/TBST for 1 hour at room temperature. The primary antibody (NBP3-32163) at 1/1,000 dilution was used in 5% NFDN/TBST at room temperature for 2 hours. Goat Anti-Mouse IgG - HRP Secondary Antibody at 1/50,000 dilution was used for 1 hour at room temperature.

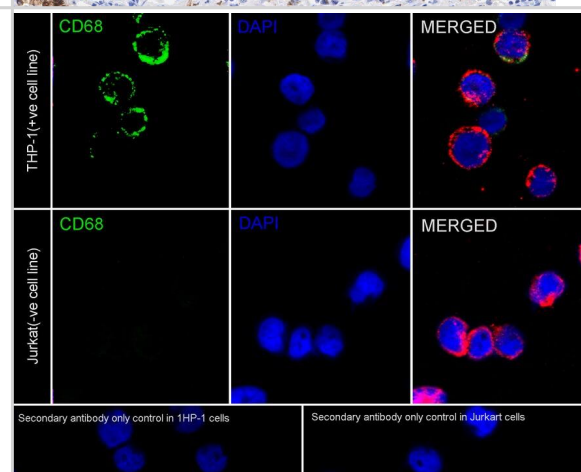
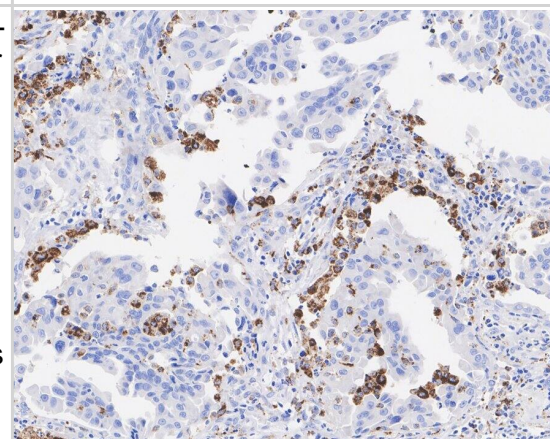
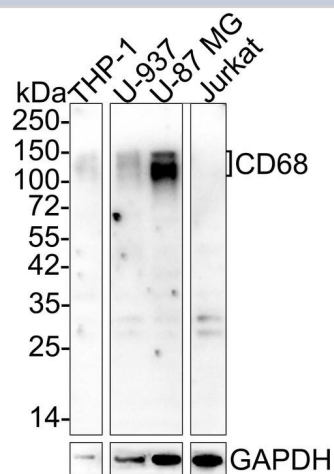
Immunohistochemistry: CD68/SR-D1 Antibody (A3C3-R) [NBP3-32163] - Immunohistochemical analysis of paraffin-embedded human lung cancer tissue with Mouse anti-CD68/SR-D1 antibody (NBP3-32163) at 1/1,000 dilution.

The section was pre-treated using heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0) for 20 minutes. The tissues were blocked in 1% BSA for 20 minutes at room temperature, washed with ddH<sub>2</sub>O and PBS, and then probed with the primary antibody (NBP3-32163) at 1/1,000 dilution for 1 hour at room temperature. The detection was performed using an HRP conjugated compact polymer system. DAB was used as the chromogen. Tissues were counterstained with hematoxylin and mounted with DPX.

Immunocytochemistry/ Immunofluorescence: CD68/SR-D1 Antibody (A3C3-R) [NBP3-32163] - Immunocytochemistry analysis of THP-1 (positive) and Jurkat (negative) labeling CD68/SR-D1 with Mouse anti-CD68/SR-D1/SR-D1 antibody (NBP3-32163) at 1/100 dilution.

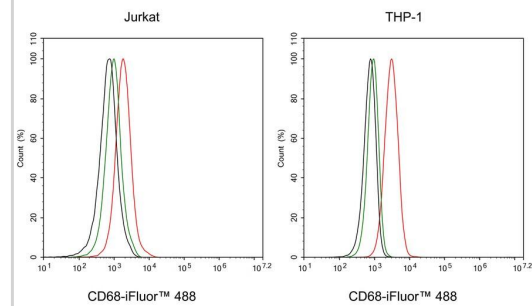
Cells were fixed in 100% precooled methanol for 5 minutes at room temperature, then blocked with 1% BSA in 10% negative goat serum for 1 hour at room temperature. Cells were then incubated with Mouse anti-CD68/SR-D1 antibody (NBP3-32163) at 1/100 dilution in 1% BSA in PBST overnight at 4 °C. Goat Anti-Mouse IgG H&L (iFluor™ 488) was used as the secondary antibody at 1/1,000 dilution. PBS instead of the primary antibody was used as the secondary antibody only control. Nuclear DNA was labelled in blue with DAPI.

beta Tubulin (red) was stained at 1/100 dilution overnight at +4 °C. Goat Anti-Rabbit IgG H&L (iFluor™ 594) were used as the secondary antibody at 1/1,000 dilution.



Flow Cytometry: CD68/SR-D1 Antibody (A3C3-R) [NBP3-32163] - Flow cytometric analysis of THP-1 (positive) and Jurkat (negative) cells labeling CD68/SR-D1.

Cells were fixed and permeabilized. Then stained with the primary antibody (NBP3-32163, 1 µg/mL) (red) compared with Mouse IgG1 Isotype Control (green). After incubation of the primary antibody at +4 °C for an hour, the cells were stained with a iFluor™ 488 conjugate-Goat anti-Mouse IgG Secondary antibody at 1/1,000 dilution for 30 minutes at +4 °C. Unlabelled sample was used as a control (cells without incubation with primary antibody; black).





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### **Products Related to NBP3-32163**

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NBP2-33376H	Blue Marker Antibody (6F4-F6) [HRP]
HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB7539	Goat anti-Mouse IgG (H+L) Secondary Antibody [HRP]
NBP1-97005-0.5mg	Mouse IgG1 Isotype Control (MG1)

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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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