

Product Datasheet

CD68/SR-D1 Antibody (A3C2-R) NBP3-32164

Unit Size: 100 ul

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

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NBP3-32164**CD68/SR-D1 Antibody (A3C2-R)**

| Product Information | |
|--------------------------------|--|
| Unit Size | 100 ul |
| Concentration | 1 mg/ml |
| Storage | Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles. |
| Clonality | Monoclonal |
| Clone | A3C2-R |
| Preservative | 0.05% Sodium Azide |
| Isotype | IgG1 |
| Purity | Protein A purified |
| Buffer | PBS (pH7.4), 0.1% BSA and 40% Glycerol |
| Target Molecular Weight | 37 kDa |

| Product Description | |
|----------------------------|---|
| Description | Novus Biologicals Mouse CD68/SR-D1 Antibody (A3C2-R) (NBP3-32164) is a recombinant monoclonal antibody validated for use in IHC, WB and ICC/IF. All Novus Biologicals antibodies are covered by our 100% guarantee. |
| Host | Mouse |
| Gene ID | 968 |
| Gene Symbol | CD68 |
| Species | Human |
| Immunogen | Synthetic peptide within human CD68/SR-D1 aa 320-354. (Uniprot: P34810) |

| Product Application Details | |
|------------------------------------|---|
| Applications | Western Blot, Immunohistochemistry-Paraffin, Immunocytochemistry/Immunofluorescence, Immunohistochemistry |
| Recommended Dilutions | Western Blot 1:1000, Immunohistochemistry, Immunocytochemistry/Immunofluorescence 1:100, Immunohistochemistry-Paraffin 1:1000 |

Images

Western Blot: CD68/SR-D1 Antibody (A3C2-R) [NBP3-32164] - Western blot analysis of CD68/SR-D1 on different lysates with Mouse anti-CD68/SR-D1 antibody (NBP3-32164) at 1/1,000 dilution.

Lane 1: A431 cell lysate
Lane 2: THP-1 cell lysate
Lane 3: U-937 cell lysate
Lane 4: Jurkat cell lysate (negative)

Lysates/proteins at 20 ug/Lane.

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

Exposure time: 1 minute 4 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 (NBP3-32164) at 1/1,000 dilution was used in 5% NFDN/TBST at 4C overnight. Goat Anti-Mouse IgG - HRP Secondary Antibody at 1/50,000 dilution was used for 1 hour at room temperature.

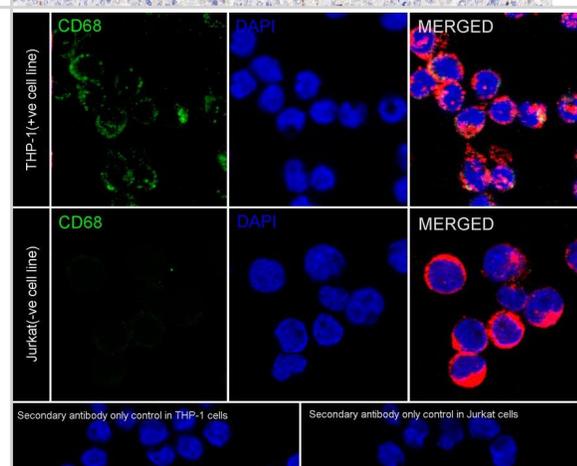
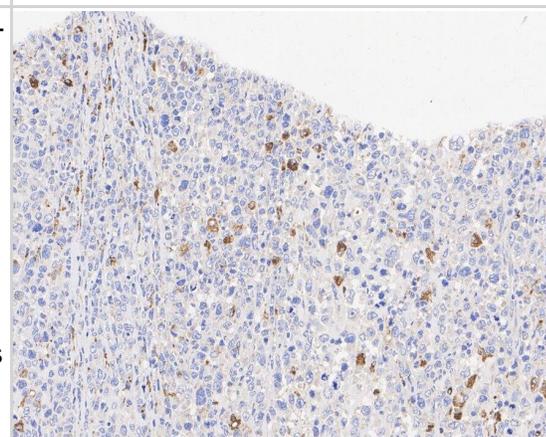
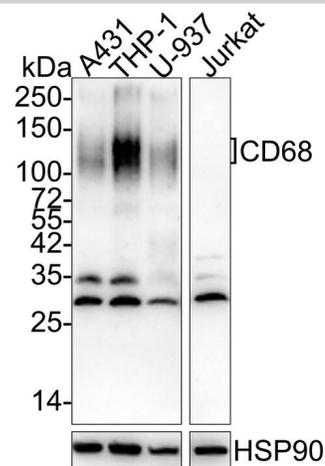
Immunohistochemistry: CD68/SR-D1 Antibody (A3C2-R) [NBP3-32164] - Immunohistochemical analysis of paraffin-embedded human prostate cancer tissue with Mouse anti-CD68/SR-D1 antibody (NBP3-32164) at 1/1,000 dilution.

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 ddH₂O and PBS, and then probed with the primary antibody (NBP3-32164) 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 (A3C2-R) [NBP3-32164] - Immunocytochemistry analysis of THP-1 (positive) and Jurkat (negative) labeling CD68/SR-D1 with Mouse anti-CD68/SR-D1/SR-D1 antibody (NBP3-32164) at 1/100 dilution.

Cells were fixed in 4% paraformaldehyde for 20 minutes at room temperature, permeabilized with 0.1% Triton X-100 in PBS 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 (NBP3-32164) at 1/500 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.





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Products Related to NBP3-32164

| | |
|------------------|---|
| HAF007 | Goat anti-Mouse IgG Secondary Antibody [HRP] |
| NB720-B | Rabbit anti-Mouse IgG (H+L) Secondary Antibody [Biotin] |
| NBP1-97005-0.5mg | Mouse IgG1 Isotype Control (MG1) |
| NBP2-53081-50ug | Recombinant Human CD68/SR-D1 His 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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