

Product Datasheet

MD-2 Antibody - BSA Free NBP1-77201

Unit Size: 0.1 mg

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

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NBP1-77201

MD-2 Antibody - BSA Free

Product Information

Unit Size	0.1 mg
Concentration	1 mg/ml
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	0.02% Sodium Azide
Isotype	IgG
Purity	Peptide affinity purified
Buffer	PBS
Target Molecular Weight	19 kDa

Product Description

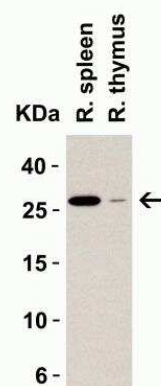
Description	Novus Biologicals Rabbit MD-2 Antibody - BSA Free (NBP1-77201) is a polyclonal antibody validated for use in IHC, WB, ELISA and ICC/IF. Anti-MD-2 Antibody: Cited in 1 publication. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Rabbit
Gene ID	23643
Gene Symbol	LY96
Species	Human, Mouse, Rat
Specificity/Sensitivity	Human MD-2 has 2 isoforms, including isoform 1 (160aa, 18kD) and isoform 2 (130aa, 15kD). Mouse MD-2 has one isoform (160aa, 18kD) and Rat MD-2 also has one isoform (160aa, 18kD). NBP1-77201 can detect human, mouse and rat.
Immunogen	Antibody was raised against a peptide corresponding to 13 amino acids near the center of human MD-2. The immunogen is located within the last 50 amino acids of MD-2. Amino Acid Sequence: CSFKGIKFSKGKYK

Product Application Details

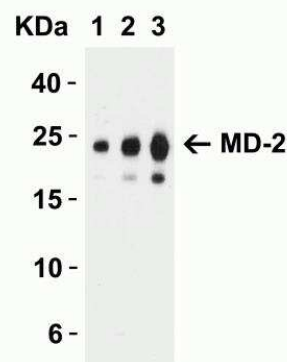
Applications	Western Blot, Immunohistochemistry-Paraffin, ELISA, Immunocytochemistry/Immunofluorescence, Immunohistochemistry
Recommended Dilutions	Western Blot 0.5-1 ug/mL, ELISA 1:100-1:2000, Immunohistochemistry 2-2.5 ug/mL, Immunocytochemistry/ Immunofluorescence 10-20 ug/mL, Immunohistochemistry-Paraffin 2 ug/ml

Images

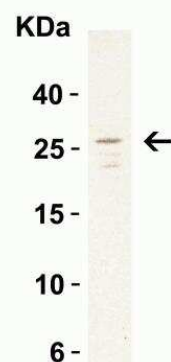
Western Blot: MD-2 Antibody [NBP1-77201] - Western Blot Validation in Rat Tissue Lysates. Loading: 15 ug of lysates per lane. Antibodies: MD-2, NBP1-77201 (1 ug/mL), 1h incubation at RT in 5% NFDM/TBST. Secondary: Goat anti-rabbit IgG HRP conjugate at 1:10000 dilution.



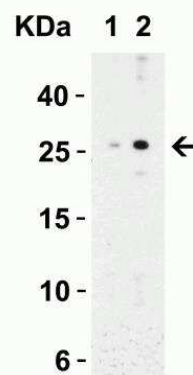
Western Blot: MD-2 Antibody [NBP1-77201] - Western Blot Validation with Recombinant Protein. Loading: 30 ng of human MD-2 recombinant protein per lane. Antibodies: MD-2, NBP1-77201 (Lane 1: 0.5 ug/mL, Lane 2: 1 ug/mL and Lane 3: 2 ug/mL), 1h incubation at RT in 5% NFDm/TBST. Secondary: Goat anti-rabbit IgG HRP conjugate at 1:10000 dilution.



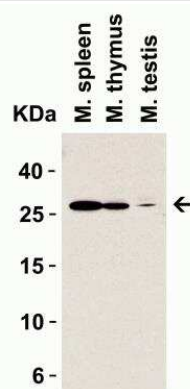
Western Blot: MD-2 Antibody [NBP1-77201] - Western Blot Validation in Daudi Cell Lysate. Loading: 15 ug of lysates per lane. Antibodies: MD-2, NBP1-77201 (1 ug/mL), 1h incubation at RT in 5% NFDm/TBST. Secondary: Goat anti-rabbit IgG HRP conjugate at 1:10000 dilution.



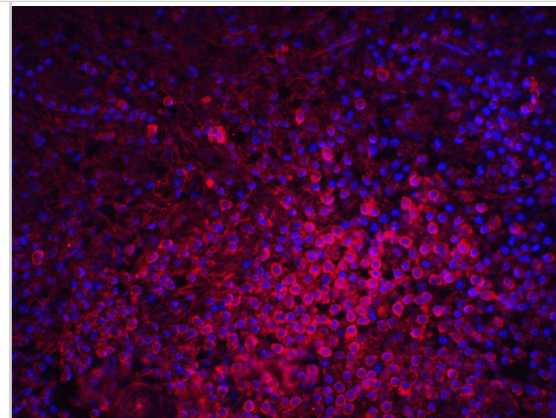
Western Blot: MD-2 Antibody [NBP1-77201] - Western Blot Validation in Mouse Spleen Tissue Lysate. Loading: 15 ug of lysates per lane. Antibodies: MD-2, NBP1-77201 (Lane 1: 0.5 ug/mL and Lane 2: 1 ug/mL), 1h incubation at RT in 5% NFDm/TBST. Secondary: Goat anti-rabbit IgG HRP conjugate at 1:10000 dilution.



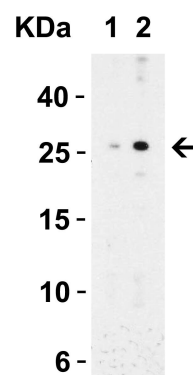
Western Blot: MD-2 Antibody [NBP1-77201] - Western Blot Validation in Mouse Tissue Lysates. Loading: 15 ug of lysates per lane. Antibodies: MD-2, NBP1-77201 (1 ug/mL), 1h incubation at RT in 5% NFDm/TBST. Secondary: Goat anti-rabbit IgG HRP conjugate at 1:10000 dilution.



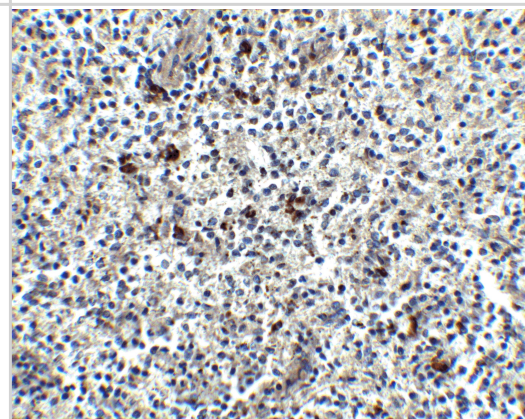
Immunocytochemistry/ Immunofluorescence: MD-2 Antibody - BSA Free [NBP1-77201] - Validation of MD-2 in Human Spleen Tissue.
Immunofluorescent analysis of 4% paraformaldehyde-fixed human spleen tissue labeling MD-2 with at 20 ug/mL, followed by goat anti-rabbit IgG secondary antibody at 1/500 dilution (red) and DAPI staining (blue).



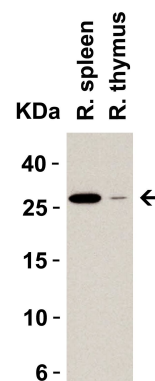
Western Blot: MD-2 Antibody - BSA Free [NBP1-77201] - Validation in Mouse Spleen Tissue Lysate Loading: 15 ug of lysates per lane.
Antibodies: MD-2, (Lane 1: 0.5 ug/mL and Lane 2: 1 ug/mL), 1h incubation at RT in 5% NFDm/TBST. **Secondary:** Goat anti-rabbit IgG HRP conjugate at 1:10000 dilution.



Immunohistochemistry: MD-2 Antibody - BSA Free [NBP1-77201] - Validation of MD-2 in Human Spleen Tissue. Immunohistochemical analysis of paraffin-embedded human spleen tissue using anti-MD-2 antibody at 2.5 ug/ml. Tissue was fixed with formaldehyde and blocked with 10% serum for 1 h at RT; antigen retrieval was by heat mediation with a citrate buffer (pH6). Samples were incubated with primary antibody overnight at 4C. A goat anti-rabbit IgG H&L (HRP) at 1/250 was used as secondary. Counter stained with Hematoxylin.

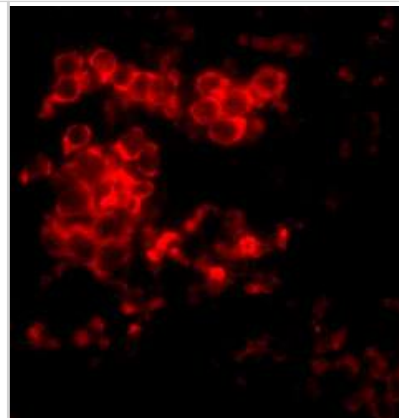


Western Blot: MD-2 Antibody - BSA Free [NBP1-77201] - Validation in Rat Tissue Lysates. Loading: 15 ug of lysates per lane. **Antibodies:** MD-2, (1 ug/mL), 1h incubation at RT in 5% NFDm/TBST. **Secondary:** Goat anti-rabbit IgG HRP conjugate at 1:10000 dilution.



Immunocytochemistry/ Immunofluorescence: MD-2 Antibody - BSA Free [NBP1-77201] - Validation of MD-2 in Rat Spleen Tissue.

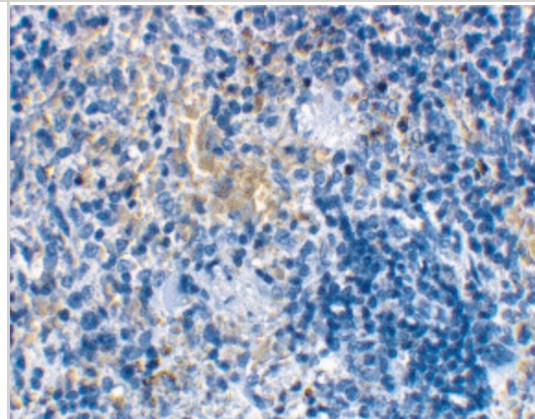
Immunofluorescent analysis of 4% paraformaldehyde-fixed rat spleen tissue labeling MD-2 with at 10 u/mL, followed by goat anti-rabbit IgG secondary antibody at 1/500 dilution (red).



Immunohistochemistry: MD-2 Antibody - BSA Free [NBP1-77201] - Validation of MD-2 in Rat Spleen Tissue.

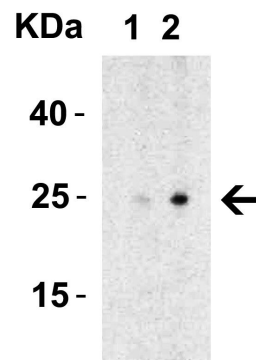
Immunohistochemical analysis of paraffin-embedded rat spleen using anti-MD-2 antibody at 2 ug/ml. Tissue was fixed with formaldehyde and blocked with 10% serum for 1 h at RT; antigen retrieval was by heat mediation with a citrate buffer (pH6).

Samples were incubated with primary antibody overnight at 4C. A goat anti-rabbit IgG H&L (HRP) at 1/250 was used as secondary. Counter stained with Hematoxylin.



Western Blot: MD-2 Antibody - BSA Free [NBP1-77201] - Validation in Rat Spleen Tissue Lysate. Loading: 15 ug of lysates per lane.

Antibodies: MD-2, (Lane 1: 0.5 ug/mL and Lane 2: 1 ug/mL), 1h incubation at RT in 5% NFDN/TBST. Secondary: Goat anti-rabbit IgG HRP conjugate at 1:10000 dilution.



Publications

Koyama D, Maruoka S et al. Myeloid differentiation-2 is a potential biomarker for the amplification process of allergic airway sensitization in mice. Allergol Int 2015-01-09 [PMID: 26344079] (IF/IHC, ELISA, Mouse)



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Products Related to NBP1-77201

NBP1-77201PEP	MD-2 Antibody Blocking Peptide
HAF008	Goat anti-Rabbit IgG Secondary Antibody [HRP]
NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP2-24891	Rabbit IgG Isotype Control

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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