

# Product Datasheet

## Macrophage Antibody (MOMA-2) - BSA Free NB100-64946

Unit Size: 0.25 mg

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

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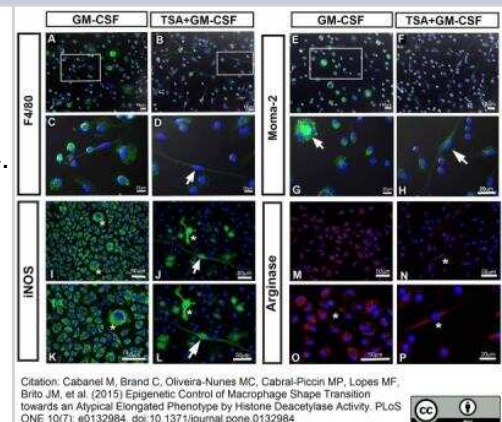
**NB100-64946**

Macrophage Antibody (MOMA-2) - BSA Free

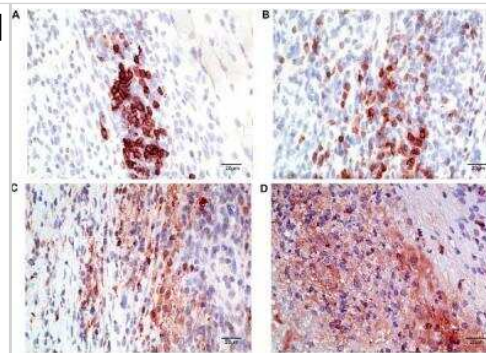
Product Information	
Unit Size	0.25 mg
Concentration	0.5 mg/ml
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	MOMA-2
Preservative	<0.1% Sodium Azide
Isotype	IgG2b
Purity	Protein G purified
Buffer	PBS
Product Description	
Description	Novus Biologicals Knockout (KO) Validated Rat Macrophage Antibody (MOMA-2) - BSA Free (NB100-64946) is a monoclonal antibody validated for use in IHC and Flow. Anti-Macrophage Antibody: Cited in 1 publication. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Rat
Species	Mouse
Specificity/Sensitivity	Recognizes an intracellular antigen of mouse macrophages and monocytes. It reacts strongly with macrophages in lymphoid organs in all mouse strains tested. Staining may also be seen on the epithelium of mucosa.
Immunogen	Mouse lymph node stroma
Product Application Details	
Applications	Flow Cytometry, Immunohistochemistry, Immunohistochemistry-Frozen, Knockout Validated
Recommended Dilutions	Flow Cytometry, Immunohistochemistry, Immunohistochemistry-Frozen, Knockout Validated

**Images**

Immunocytochemistry/Immunofluorescence: Macrophage Antibody (MOMA-2) [NB100-64946] - Cabanel M, Brand C, Oliveira-Nunes MC, Cabral-Piccin MP, Lopes MF, Brito JM, et al. (2015) Epigenetic Control of Macrophage Shape Transition towards an Atypical Elongated Phenotype by Histone Deacetylase Activity. PLoS ONE 10(7): e0132984.



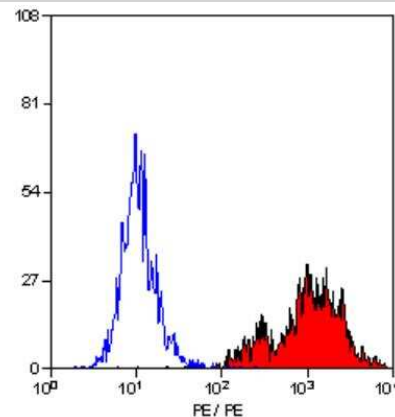
Immunohistochemistry: Macrophage Antibody (MOMA-2) [NB100-64946] - Benard A, Sala C, Pluschke G (2016) *Mycobacterium ulcerans* Mouse Model Refinement for Pre-Clinical Profiling of Vaccine Candidates. PLoS ONE 11(11): e0167059



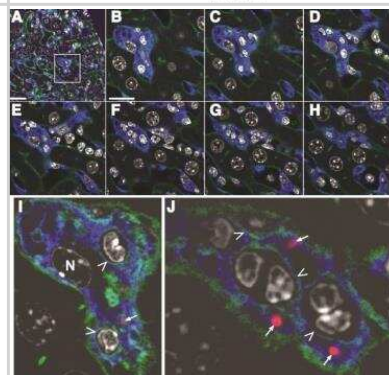
Citation: Bénard A, Sala C, Pluschke G (2016) *Mycobacterium ulcerans* Mouse Model Refinement for Pre-Clinical Profiling of Vaccine Candidates. PLoS ONE 11(11): e0167059. doi:10.1371/journal.pone.0167059



Flow Cytometry: Macrophage Antibody (MOMA-2) [NB100-64946] - Staining of mouse peritoneal macrophages with RPE conjugated Rat anti Mouse Macrophages/Monocytes following permeabilisation with Leucoperm



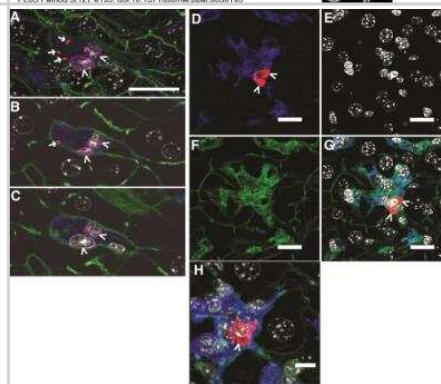
Immunocytochemistry/Immunofluorescence: Macrophage Antibody (MOMA-2) [NB100-64946] - Nix RN, Altschuler SE, Henson PM, Detweiler CS (2007) Hemophagocytic Macrophages Harbor *Salmonella enterica* during Persistent Infection. PLoS Pathog 3(12): e193.



Citation: Nix RN, Altschuler SE, Henson PM, Detweiler CS (2007) Hemophagocytic Macrophages Harbor *Salmonella enterica* during Persistent Infection. PLoS Pathog 3(12): e193. doi:10.1371/journal.ppat.0030193



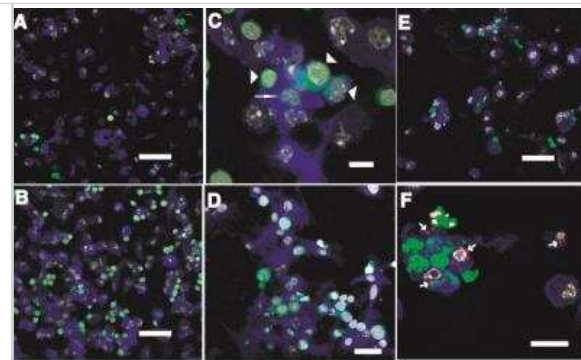
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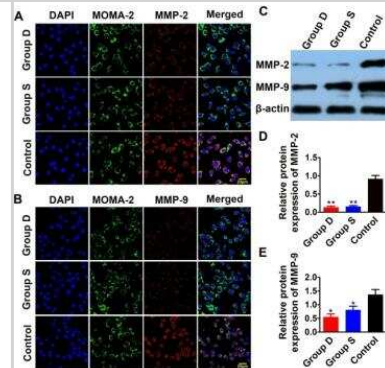
Immunocytochemistry/Immunofluorescence: Macrophage Antibody (MOMA-2) [NB100-64946] - Nix RN, Altschuler SE, Henson PM, Detweiler CS (2007) Hemophagocytic Macrophages Harbor Salmonella enterica during Persistent Infection. PLoS Pathog 3(12): e193.



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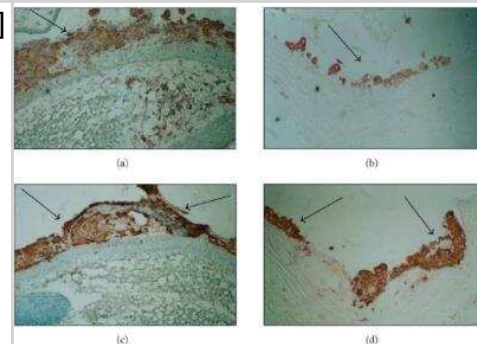
Immunocytochemistry/Immunofluorescence: Macrophage Antibody (MOMA-2) [NB100-64946] - Dong M, Zhong L, Chen WQ, Ji XP, Zhang M, Zhao YX, et al. (2012) Doxycycline Stabilizes Vulnerable Plaque via Inhibiting Matrix Metalloproteinases and Attenuating Inflammation in Rabbits. PLoS ONE 7(6): e39695.



Citation: Dong M, Zhong L, Chen WQ, Ji XP, Zhang M, Zhao YX, et al. (2012) Doxycycline Stabilizes Vulnerable Plaque via Inhibiting Matrix Metalloproteinases and Attenuating Inflammation in Rabbits. PLoS ONE 7(6): e39695. doi:10.1371/journal.pone.0039695



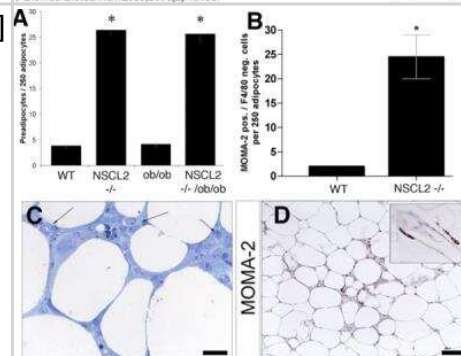
Immunohistochemistry: Macrophage Antibody (MOMA-2) [NB100-64946] - Marie-Claude Bourdillon, Jacques Randon, Lydie Barek, et al., "Reduced Atherosclerotic Lesion Size in -Selectin Deficient Apolipoprotein E-Knockout Mice Fed a Chow but Not a Fat Diet," Journal of Biomedicine and Biotechnology, vol. 2006, Article ID 49193, 8 pages, 2006.



Bourdillon MC, Randon J, Barek L, Zibara K, Covacho C, Poston RH, Chignier E, McGregor JL. Reduced atherosclerotic lesion size in P-selectin deficient apolipoprotein E-knockout mice fed a chow but not a fat diet. J Biomed Biotechnol. 2006;2006(2):49193.



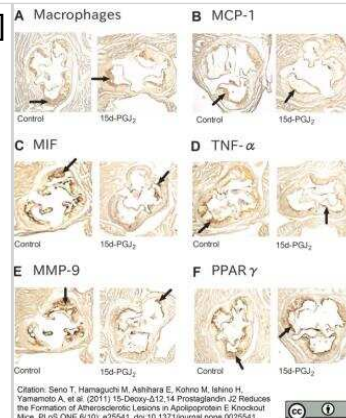
Immunohistochemistry: Macrophage Antibody (MOMA-2) [NB100-64946] - Ruschke K, Ebel H, Klötting N, Boettger T, Raum K, Blüher M, et al. (2009) Defective Peripheral Nerve Development Is Linked to Abnormal Architecture and Metabolic Activity of Adipose Tissue in Nsc1-2 Mutant Mice. PLoS ONE 4(5): e5516.



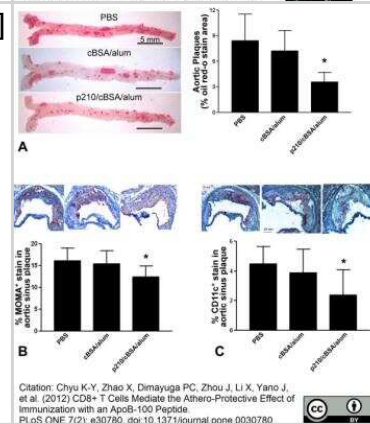
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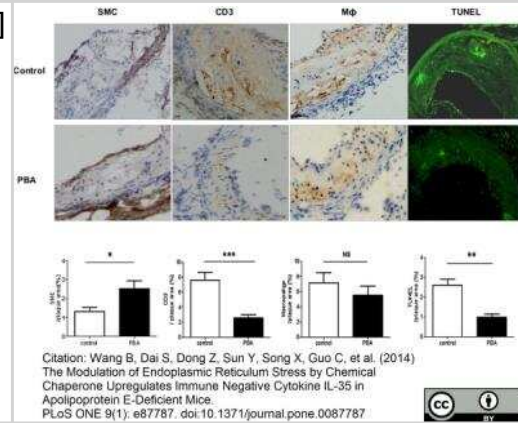
**Immunohistochemistry: Macrophage Antibody (MOMA-2) [NB100-64946]**  
 - Seno T, Hamaguchi M, Ashihara E, Kohno M, Ishino H, Yamamoto A, et al. (2011) 15-Deoxy-delta 12,14 Prostaglandin J2 Reduces the Formation of Atherosclerotic Lesions in Apolipoprotein E Knockout Mice. *PLoS ONE* 6(10): e25541.



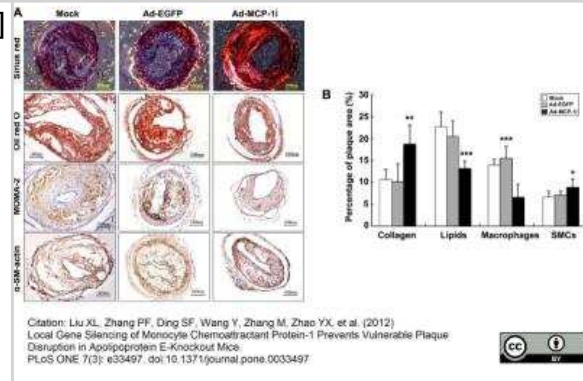
**Immunohistochemistry: Macrophage Antibody (MOMA-2) [NB100-64946]**  
 - Chyu K-Y, Zhao X, Dimayuga PC, Zhou J, Li X, Yano J, et al. (2012) CD8+ T Cells Mediate the Athero-Protective Effect of Immunization with an ApoB-100 Peptide. *PLoS ONE* 7(2): e30780.



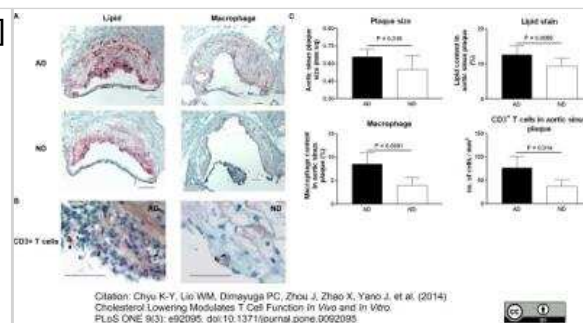
**Immunohistochemistry: Macrophage Antibody (MOMA-2) [NB100-64946]**  
 - Wang B, Dai S, Dong Z, Sun Y, Song X, Guo C, et al. (2014) The Modulation of Endoplasmic Reticulum Stress by Chemical Chaperone Upregulates Immune Negative Cytokine IL-35 in Apolipoprotein E-Deficient Mice. *PLoS ONE* 9(1): e87787.



**Immunohistochemistry: Macrophage Antibody (MOMA-2) [NB100-64946]**  
 - Liu XL, Zhang PF, Ding SF, Wang Y, Zhang M, Zhao YX, et al. (2012) Local Gene Silencing of Monocyte Chemoattractant Protein-1 Prevents Vulnerable Plaque Disruption in Apolipoprotein E-Knockout Mice. *PLoS ONE* 7(3): e33497.

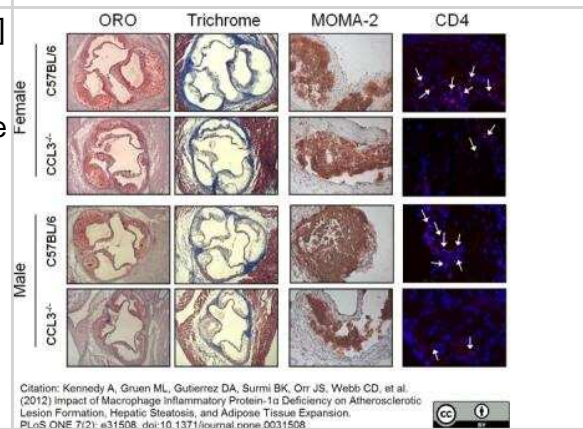


**Immunohistochemistry: Macrophage Antibody (MOMA-2) [NB100-64946]**  
 - Chyu K-Y, Lio WM, Dimayuga PC, Zhou J, Zhao X, Yano J, et al. (2014) Cholesterol Lowering Modulates T Cell Function In Vivo and In Vitro. PLoS ONE 9(3): e92095.



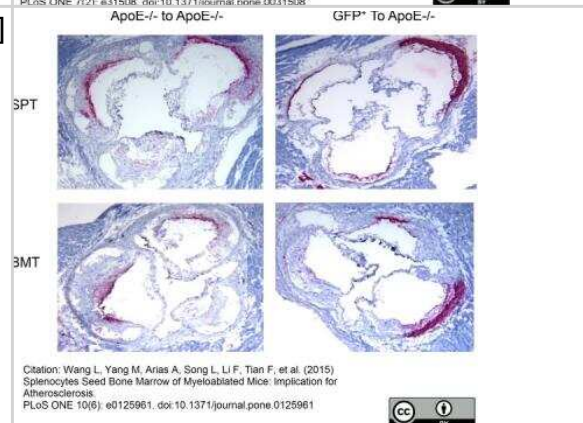
Citation: Chyu K-Y, Lio WM, Dimayuga PC, Zhou J, Zhao X, Yano J, et al. (2014) Cholesterol Lowering Modulates T Cell Function In Vivo and In Vitro. PLoS ONE 9(3): e92095. doi:10.1371/journal.pone.0092095

**Immunohistochemistry: Macrophage Antibody (MOMA-2) [NB100-64946]**  
 - Kennedy A, Gruen ML, Gutierrez DA, Surmi BK, Orr JS, Webb CD, et al. (2012) Impact of Macrophage Inflammatory Protein-1a Deficiency on Atherosclerotic Lesion Formation, Hepatic Steatosis, and Adipose Tissue Expansion. PLoS ONE 7(2): e31508.



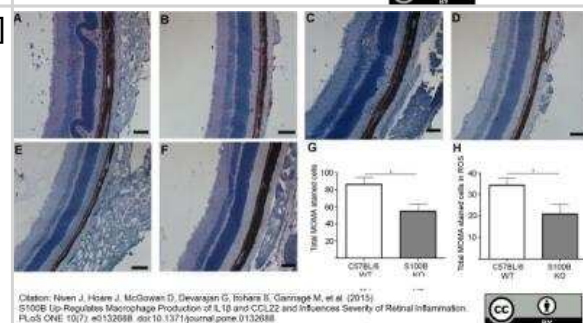
Citation: Kennedy A, Gruen ML, Gutierrez DA, Surmi BK, Orr JS, Webb CD, et al. (2012) Impact of Macrophage inflammatory Protein-1a Deficiency on Atherosclerotic Lesion Formation, Hepatic Steatosis, and Adipose Tissue Expansion. PLoS ONE 7(2): e31508. doi:10.1371/journal.pone.0031508

**Immunohistochemistry: Macrophage Antibody (MOMA-2) [NB100-64946]**  
 - Wang L, Yang M, Arias A, Song L, Li F, Tian F, et al. (2015) Splenocytes Seed Bone Marrow of Myeloablated Mice: Implication for Atherosclerosis. PLoS ONE 10(6): e0125961.



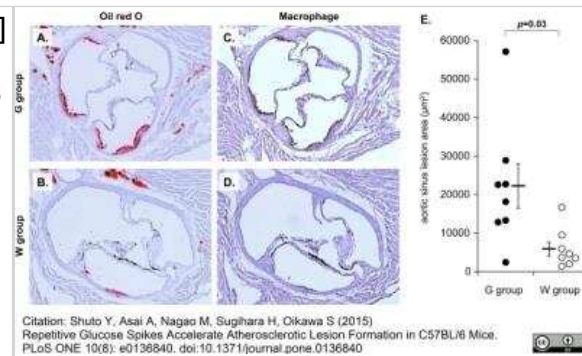
Citation: Wang L, Yang M, Arias A, Song L, Li F, Tian F, et al. (2015) Splenocytes Seed Bone Marrow of Myeloablated Mice: Implication for Atherosclerosis. PLoS ONE 10(6): e0125961. doi:10.1371/journal.pone.0125961

**Immunohistochemistry: Macrophage Antibody (MOMA-2) [NB100-64946]**  
 - Niven J, Hoare J, McGowan D, Devarajan G, Itohara S, Gannage M, et al. (2015) S100B Up-Regulates Macrophage Production of IL1b and CCL22 and Influences Severity of Retinal Inflammation. PLoS ONE 10(7): e0132688.

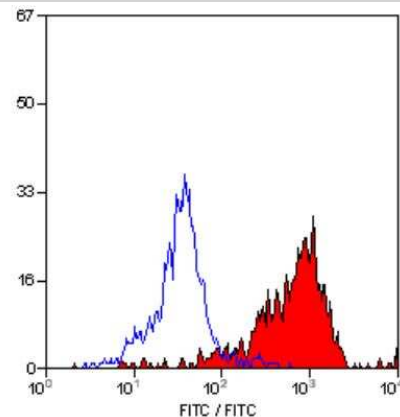


Citation: Niven J, Hoare J, McGowan D, Devarajan G, Itohara S, Gannage M, et al. (2015) S100B Up-Regulates Macrophage Production of IL1b and CCL22 and Influences Severity of Retinal Inflammation. PLoS ONE 10(7): e0132688. doi:10.1371/journal.pone.0132688

Immunohistochemistry: Macrophage Antibody (MOMA-2) [NB100-64946] - Shuto Y, Asai A, Nagao M, Sugihara H, Oikawa S (2015) Repetitive Glucose Spikes Accelerate Atherosclerotic Lesion Formation in C57BL/6 Mice. PLoS ONE 10(8): e0136840.



Flow Cytometry: Macrophage Antibody (MOMA-2) [NB100-64946] - Staining of mouse peritoneal macrophages with FITC conjugated Rat anti Mouse Macrophages/Monocytes following permeabilisation with Leucoperm



## Publications

Klak M, Wszo?a M, Berman A et al. Bioprinted 3D Bionic Scaffolds with Pancreatic Islets as a New Therapy for Type 1 Diabetes-Analysis of the Results of Preclinical Studies on a Mouse Model Journal of functional biomaterials 2023-07-14 [PMID: 37504866] (IHC, Mouse)



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General: novus@novusbio.com

### **Products Related to NB100-64946**

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HAF005	Goat anti-Rat IgG Secondary Antibody [HRP]
NB7115	Goat anti-Rat IgG (H+L) Secondary Antibody [HRP]
DDXCR03	Rat IgG2b Isotype Control

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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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