

# Product Datasheet

## CCL2/MCP1 Antibody - BSA Free NBP1-07034

Unit Size: 0.1 ml

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

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**NBP1-07034**

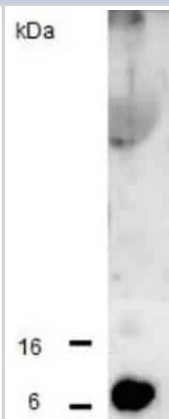
CCL2/MCP1 Antibody - BSA Free

Product Information	
<b>Unit Size</b>	0.1 ml
<b>Concentration</b>	1.42 mg/ml
<b>Storage</b>	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
<b>Clonality</b>	Polyclonal
<b>Preservative</b>	0.1% Sodium Azide
<b>Isotype</b>	IgG
<b>Purity</b>	Immunogen affinity purified
<b>Buffer</b>	PBS and 30% Glycerol
<b>Target Molecular Weight</b>	16 kDa
Product Description	
<b>Description</b>	Novus Biologicals Rabbit CCL2/MCP1 Antibody - BSA Free (NBP1-07034) is a polyclonal antibody validated for use in WB. Anti-CCL2/MCP1 Antibody: Cited in 3 publications. All Novus Biologicals antibodies are covered by our 100% guarantee.
<b>Host</b>	Rabbit
<b>Gene ID</b>	6347
<b>Gene Symbol</b>	CCL2
<b>Species</b>	Human, Rat
<b>Reactivity Notes</b>	Mouse reactivity reported by a customer review.
<b>Immunogen</b>	Synthetic peptide made to an internal portion of rat MCP1 (within residues 30-80). [Swiss-Prot# P14844]
Product Application Details	
<b>Applications</b>	Western Blot, ICC/IF (Negative), Immunohistochemistry (Negative)
<b>Recommended Dilutions</b>	Western Blot 0.5 ug/ml, Immunohistochemistry (Negative), ICC/IF (Negative)
<b>Application Notes</b>	In Western blot, a band is seen at ~16 kDa. This antibody did not work in IHC with mouse tissue or in ICC.

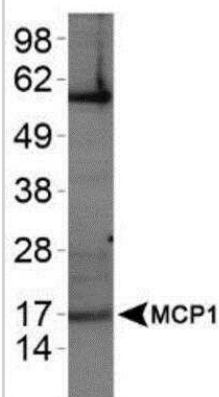


## Images

Western Blot: CCL2/MCP1 Antibody [NBP1-07034] - Analysis of recombinant mouse MCP1. Image provided via product review by verified customer.



Western Blot: CCL2/MCP1 Antibody [NBP1-07034] - Analysis of MCP1 in Hela whole cell lysates.



## Publications

Wu Z, Liu Y, Huang J et al. MiR-206 inhibits epilepsy and seizure-induced brain injury by targeting CCL2 Cytotechnology 2019-06-26 [PMID: 31243650]

Altieri P, Bertolotto M, Fabbi P et al. Thrombin induces protease-activated receptor 1 signaling and activation of human atrial fibroblasts and dabigatran prevents these effects Int. J. Cardiol. 2018-05-23 [PMID: 29801760] (WB, Human)

Xiang S, Dong NG, Liu JP et al. Inhibitory effects of suppressor of cytokine signaling 3 on inflammatory cytokine expression and migration and proliferation of IL-6/IFN-gamma-induced vascular smooth muscle cells. J Huazhong Univ Sci Technolog Med Sci. 2013-10-01 [PMID: 24142708] (WB, Rat)

## Procedures

### Protocol specific for MCP1 Antibody (NBP1-07034)

CCL2/MCP1 Antibody:

Procedure Guide for NBP1-07034 - MCP-1 Antibody

Western Blot Protocol

1. Perform SDS-PAGE (4-12% MOPS) on samples to be analyzed, loading 40 ug of total protein per lane.
  2. Transfer proteins to Nitrocellulose according to the instructions provided by the manufacturer of the transfer apparatus.
  3. Rinse membrane with dH<sub>2</sub>O and then stain the blot using Ponceau S for 1-2 minutes to access the transfer of proteins onto the nitrocellulose membrane. Rinse the blot in water to remove excess stain and mark the lane locations and locations of molecular weight markers using a pencil.
  4. Rinse the blot in TBS for approximately 5 minutes.
  5. Block the membrane using 5% NFD<sub>M</sub> + 1% BSA in TBS + Tween, 1 hour at RT.
  6. Rinse the membrane in dH<sub>2</sub>O and then wash the membrane in wash buffer [TBS + 0.1% Tween] 3 times for 10 minutes each.
  7. Dilute the rabbit anti-MCP-1 primary antibody (NBP1-07034) in blocking buffer and incubate 1 hour at room temperature.
  8. Rinse the membrane in dH<sub>2</sub>O and then wash the membrane in wash buffer [TBS + 0.1% Tween] 3 times for 10 minutes each.
  9. Apply the diluted rabbit-IgG HRP-conjugated secondary antibody in blocking buffer (as per manufacturers instructions) and incubate 1 hour at room temperature.
  10. Wash the blot in wash buffer [TBS + 0.1% Tween] 3 times for 10 minutes each (this step can be repeated as required to reduce background).
  11. Apply the detection reagent of choice in accordance with the manufacturers instructions (Pierce ECL).
- Note: Tween-20 can be added to the blocking or antibody dilution buffer at a final concentration of 0.05-0.2%, provided it does not interfere with antibody-antigen binding.





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### **Products Related to NBP1-07034**

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NBL1-08849	CCL2/MCP1 Overexpression Lysate
NBP1-07034PEP	CCL2/MCP1 Antibody Blocking Peptide
NBP2-33376H	Blue Marker Antibody (6F4-F6) [HRP]
HAF008	Goat anti-Rabbit IgG Secondary Antibody [HRP]
NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP2-24891	Rabbit IgG 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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