

# Product Datasheet

## Complement Component C3aR Antibody NBP2-15649

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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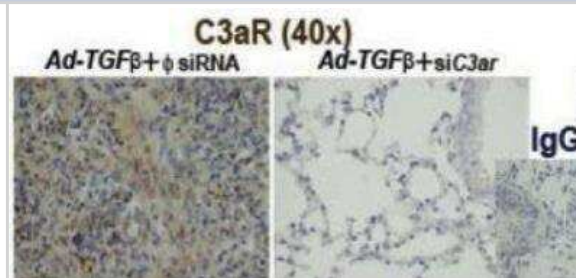
**NBP2-15649****Complement Component C3aR Antibody**

<b>Product Information</b>	
<b>Unit Size</b>	0.1 ml
<b>Concentration</b>	Concentrations vary lot to lot. See vial label for concentration. If unlisted please contact technical services.
<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>	0.025% Proclin 300
<b>Isotype</b>	IgG
<b>Purity</b>	Antigen Affinity-purified
<b>Buffer</b>	PBS (pH 7), 20% Glycerol
<b>Target Molecular Weight</b>	54 kDa
<b>Product Description</b>	
<b>Description</b>	Store as concentrated solution. Centrifuge briefly before opening vial.
<b>Host</b>	Rabbit
<b>Gene ID</b>	719
<b>Gene Symbol</b>	C3AR1
<b>Species</b>	Human, Mouse, Rat
<b>Reactivity Notes</b>	Mouse reactivity reported in scientific literature (PMID: 26956419).
<b>Immunogen</b>	Recombinant protein encompassing a sequence within the center region of human Complement Component C3aR 1. The exact sequence is proprietary.
<b>Product Application Details</b>	
<b>Applications</b>	Western Blot, Immunoblotting, Immunohistochemistry, Immunohistochemistry-Frozen, Immunohistochemistry-Paraffin
<b>Recommended Dilutions</b>	Western Blot 1:500-1:3000, Immunohistochemistry 1:100-1:1000, Immunohistochemistry-Paraffin 1:100-1:1000, Immunohistochemistry-Frozen Assay dependent, Immunoblotting Reported in scientific literature (PMID: 26956419).

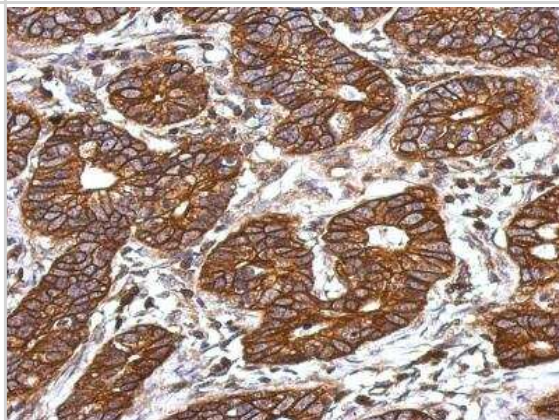


## Images

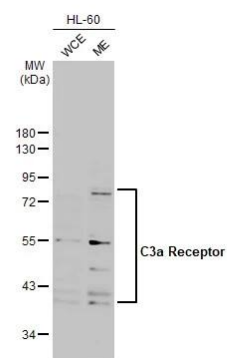
Immunohistochemistry-Paraffin: Complement Component C3aR Antibody [NBP2-15649] - Complement Component C3a R Antibody [NBP2-15649] - Tissue staining sections of mouse lung tissue without (left) and with (right) silencing by siRNA .Image submitted by a verified customer review.



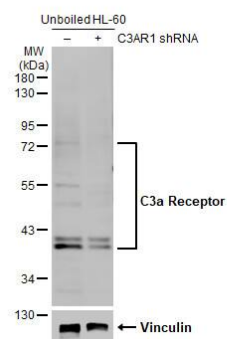
Immunohistochemistry-Paraffin: Complement Component C3a R Antibody [NBP2-15649] - Human colon carcinoma, using C3a receptor 1 antibody at 1:500 dilution. Antigen Retrieval: Trilogy™ (EDTA based, pH 8.0) buffer, 15min.



Western Blot: Complement Component C3aR Antibody [NBP2-15649] - Boiled HL-60 whole cell and membrane extracts (30 ug) were separated by 10% SDS-PAGE, and the membrane was blotted with Complement Component C3aR antibody (NBP2-15649) diluted at 1:500. The HRP-conjugated anti-rabbit IgG antibody was used to detect the primary antibody.



Western Blot: Complement Component C3aR Antibody [NBP2-15649] - Non-transfected (–) and transfected (+) unboiled HL-60 whole cell extracts (30 ug) were separated by 10% SDS-PAGE, and the membrane was blotted with C3a Receptor antibody diluted at 1:500. The HRP-conjugated anti-rabbit IgG antibody was used to detect the primary antibody, and the signal was developed with Trident ECL plus-Enhanced.



## Publications

Hu X, Feng J, Deng S et al. Anaphylatoxins enhance Th9 cell recruitment via the CCL20-CCR6 axis in IgA nephropathy J. Nephrol. 2020-02-08 [PMID: 32036611]

Cipolla E, Fisher A, Gu H et al. IL-17A deficiency mitigates bleomycin-induced complement activation during lung fibrosis. FASEB J 2017-08-17 [PMID: 28821630] (IB, Human, Mouse)

Gu H, Fisher AJ, Mickler EA et al. Contribution of the anaphylatoxin receptors, C3aR and C5aR, to the pathogenesis of pulmonary fibrosis. FASEB Journal. 2016-06-30 [PMID: 26956419] (IB, Mouse, Human)

Gu H, Mickler EA, Cummings OW et al. Crosstalk between TGF-beta1 and complement activation augments epithelial injury in pulmonary fibrosis. FASEB J. 2014-06-23 [PMID: 24958208] (WB, Human)

### Details:

Figure 8C- Normal primary human small airway epithelial cells (SAECs) were treated with or without TGF-1 (10 ng/ml) and cell lysates were immunoblotted against specific receptors C3aR and C5aR (-actin, loading control).





### **Novus Biologicals USA**

10730 E. Briarwood Avenue  
Centennial, CO 80112  
USA  
Phone: 303.730.1950  
Toll Free: 1.888.506.6887  
Fax: 303.730.1966  
nb-customerservice@bio-techne.com

### **Bio-Techne Canada**

21 Canmotor Ave  
Toronto, ON M8Z 4E6  
Canada  
Phone: 905.827.6400  
Toll Free: 855.668.8722  
Fax: 905.827.6402  
canada.inquires@bio-techne.com

### **Bio-Techne Ltd**

19 Barton Lane  
Abingdon Science Park  
Abingdon, OX14 3NB, United Kingdom  
Phone: (44) (0) 1235 529449  
Free Phone: 0800 37 34 15  
Fax: (44) (0) 1235 533420  
info.EMEA@bio-techne.com

### **General Contact Information**

www.novusbio.com  
Technical Support: nb-technical@bio-  
techne.com  
Orders: nb-customerservice@bio-techne.com  
General: novus@novusbio.com

### **Products Related to NBP2-15649**

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HAF008	Goat anti-Rabbit IgG Secondary Antibody [HRP]
NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP2-24891	Rabbit IgG Isotype Control
H00000719-G01	Recombinant Human Complement Component C3aR Protein

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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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