

Product Datasheet

Complement Component C3aR Antibody - BSA Free **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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Updated 8/11/2025 v.20.1

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NBP2-15649

Complement Component C3aR Antibody - BSA Free

Product Information

Unit Size	0.1 ml
Concentration	Concentrations vary lot to lot. See vial label for concentration. If unlisted please contact technical services.
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	0.025% Proclin 300
Isotype	IgG
Purity	Antigen Affinity-purified
Buffer	PBS, 20% Glycerol
Target Molecular Weight	54 kDa

Product Description

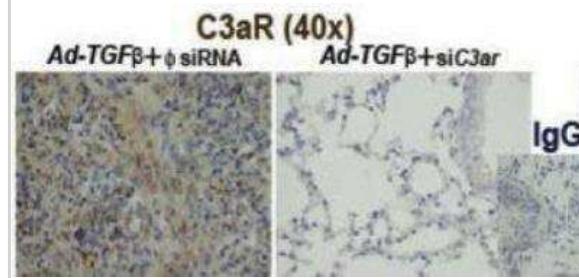
Description	Store as concentrated solution. Centrifuge briefly before opening vial.
Host	Rabbit
Gene ID	719
Gene Symbol	C3AR1
Species	Human, Mouse, Rat
Reactivity Notes	Mouse reactivity reported in scientific literature (PMID: 26956419).
Immunogen	Recombinant protein encompassing a sequence within the center region of human Complement Component C3aR 1. The exact sequence is proprietary.

Product Application Details

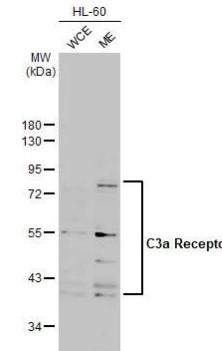
Applications	Western Blot, Immunohistochemistry-Paraffin, Immunohistochemistry, Immunohistochemistry-Frozen
Recommended Dilutions	Western Blot 1:500-1:3000, Immunohistochemistry 1:100-1:1000, Immunohistochemistry-Paraffin validated by verified customer review, Immunohistochemistry-Frozen Assay dependent

Images

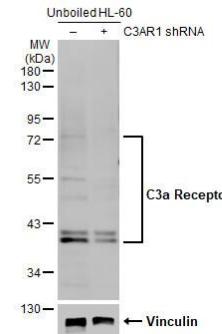
Immunohistochemistry-Paraffin: Complement Component C3aR Antibody [NBP2-15649] - Complement Component C3a R Antibody [NBP2-15649] - Tissue staining sections of mouse lung tissue without (left) and with (right) silencing by siRNA .Image submitted by a verified customer review.



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).



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Products Related to NBP2-15649

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

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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