

Product Datasheet

Complement C4b/d Antibody (16D2) NB200-541

Unit Size: 0.05 mg

Store at 4C.

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Publications: 12

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NB200-541**Complement C4b/d Antibody (16D2)**

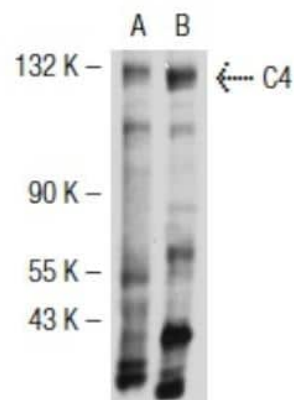
Product Information	
Unit Size	0.05 mg
Concentration	0.1 mg/ml
Storage	Store at 4C.
Clonality	Monoclonal
Clone	16D2
Preservative	0.02% Sodium Azide
Isotype	IgG2a
Purity	Protein G purified
Buffer	0.2um filtered PBS and 0.1% BSA

Product Description	
Description	Novus Biologicals Rat Complement C4b/d Antibody (16D2) (NB200-541) is a monoclonal antibody validated for use in IHC, WB, ICC/IF and IP. Anti-Complement C4b/d Antibody: Cited in 11 publications. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Rat
Gene ID	721
Gene Symbol	C4B
Species	Mouse
Specificity/Sensitivity	Antibody cross reacts with C4, C4b and C4d.
Immunogen	Cell-bound C4 of mouse origin.

Product Application Details	
Applications	Western Blot, Immunoassay, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Frozen, Immunoprecipitation
Recommended Dilutions	Western Blot 1:10, Immunohistochemistry 1:10-1:500, Immunocytochemistry/ Immunofluorescence 1:10-1:500, Immunoprecipitation 1:10-1:500, Immunohistochemistry-Frozen 1:10, Immunoassay
Application Notes	WB: non-reduced sample treatment and SDS-PAGE was used. IHC-F: Tissue sections were fixed in ice-cold acetone and blocked with 2% BSA, FCS and PBS. Although not confirmed this antibody may be useful in Immunoassays.

Images

Western Blot: Complement C4b/d Antibody (16D2) [NB200-541] - Western blot analysis of C4 expression in J774.A1 (A) and mouse PBL (B) whole cell lysates.



Publications

Xiao J, Li Y, Rowley T et al. Immunotherapy targeting the PD-1 pathway alleviates neuroinflammation caused by chronic Toxoplasma infection *Scientific Reports* 2023-01-23 [PMID: 36690687] (Immunohistochemistry-Frozen)

Amin Ahmadi, Reza Moghadasali, Vahid Ezzatizadeh, Zeinab Taghizadeh, Seyed Mahdi Nassiri, Mohammad Hassan Asghari-Vostikolaee, Mehdi Alikhani, Fatemeh Hadi, Reza Rahbarghazi, Reza Salman Yazdi, Hossein Baharvand, Nasser Aghdami Transplantation of Mouse Induced Pluripotent Stem Cell-Derived Podocytes in a Mouse Model of Membranous Nephropathy Attenuates Proteinuria *Scientific Reports* 2019-10-29 [PMID: 31664077]

Zhang H, Cavazzoni CB, Podestà MA et al. IL-21-producing effector Tfh cells promote B cell alloimmunity in lymph nodes and kidney allografts *JCI insight* 2023-10-23 [PMID: 37870962] (IHC-P, Mouse)

Ujic D Neurodevelopmental and Protein Analysis in the Maternal Immune Activation Mouse Model of Neurodevelopmental Disorders Thesis 2023-01-01 (WB, Mouse)

Zhang H, Cavazzoni CB, Hanson BL et al. Transcriptionally Distinct B Cells Infiltrate Allografts After Kidney Transplantation *Transplantation* 2022-11-11 [PMID: 36398326] (IF/IHC, Mouse)

Benedetti Gassen R, Borges TJ, PErez-SAEz MJ et al. T cell depletion increases humoral response by favoring T follicular helper cells expansion *American journal of transplantation : official journal of the American Society of Transplantation and the American Society of Transplant Surgeons* 2022-03-23 [PMID: 35320600] (IF/IHC)

Miyahara, Y, Khattar, M, Schroder, P M et al. Anti-TCR beta mAb Induces Long-Term Allograft Survival by Reducing Antigen-Reactive T Cells and Sparing Regulatory T Cells. *American Journal of Transplantation* 2012-01-01 [PMID: 22420295] (IF/IHC, Mouse)

Murata, K et al. Synergistic deposition of C4d by complement-activating and non-activating antibodies in cardiac transplants. *Am J Transplant*, 7: 2605. 2007-01-01 [PMID: 17868071] (WB)

Zhang, Y et al. Allograft rejection requires STAT5a/b-regulated antiapoptotic activity in T cells but not B cells. *J Immunol* 176:128-137. 2006-01-01 [PMID: 16365403]

Gadjeva, M et al. Macrophage-derived complement component C4 can restore humoral immunity in C4-deficient mice. *J Immunol*, 169: 5489. 2002-01-01 [PMID: 12421924]

Paul E et al. Anti-DNA autoreactivity in C4-deficient mice. *Eur J Immunol*, 32: 2672. 2002-01-01 [PMID: 12207352]

Kremmer, E et al. Monoclonal antibodies to complement components without the need of their prior purification. II. Antibodies to mouse C3 and C4. *Hybridoma*, 9 : 309. Antibodies to mouse C3 and C4. 1990-01-01 [PMID: 2210776] (IHC-Fr)



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Products Related to NB200-541

NBP2-33376H	Blue Marker Antibody (6F4-F6) [HRP]
HAF005	Goat anti-Rat IgG Secondary Antibody [HRP]
NB7115	Goat anti-Rat IgG (H+L) Secondary Antibody [HRP]
NBP2-21947-0.1mg	Rat IgG2a Isotype Control (2A3)

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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