

MOUSE ANTI HUMAN C4d

#Cat: NB-47-00389-100UG Size: 100µg

Description:	MOUSE ANTI HUMAN C4d
Specificity:	C4d
Other names:	COMPLEMENT COMPONENT 4d
Format:	Purified
Product Type:	Monoclonal Antibody
Clone:	10-11
Isotype:	IgG1
Quantity:	0.1 mg

Applications

This product has been reported to work in the following applications. This information is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information. For general protocol recommendations, please visit www.neo-biotech.com

	Yes	No	Not Determined	Suggested Dilution
Immunohistology - Frozen	▪			1/100 - 1/750
Immunohistology - Paraffin (1)	▪			
ELISA	▪			1/5000 - 1/20000
Western Blotting	▪			
Immunofluorescence	▪			1/250 - 1/600

Where this product has not been tested for use in a particular technique this does not necessarily exclude its use in such procedures. Suggested working dilutions are given as a guide only. It is recommended that the user titrates the product for use in their own system using the appropriate negative/positive controls

(1) It has been reported that this antibody works very well on acetone-fixed, frozen renal biopsies. Strong staining is observed in the glomeruli and in some cases the peritubular capillaries.

Clone 10-11 has given variable results on formalin-fixed, paraffin-embedded sections. It has been observed that pre-treatment with 88% formic acid for 20 minutes at room temperature is beneficial (6).

Target Species	Human
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Species Cross Reactivity	Does not react with: Mouse, Dog, Bovine, Cat, Rabbit, Rat, Guinea Pig, Sheep
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Product Form	Purified IgG - liquid
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Preparation	Purified IgG prepared by Fast protein liquid chromatography (FPLC) from ascites
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Buffer Solution	Borate buffered saline
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Preservative Stabilisers	<0.1% Sodium Azide (NaN ₃)
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Approx. Protein Concentrations	IgG concentration 1.0 mg/ml
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Further Reading	<ol style="list-style-type: none">1. Makinde, V.A. <i>et al.</i> (1989) Reflection of disease activity in rheumatoid arthritis by indices of activation of the classical complement pathway. Ann Rheum Dis. 48 (4): 302-6.2. Stoltzner, S.E. <i>et al.</i> (2000) Temporal accrual of complement proteins in amyloid plaques in Down's syndrome with Alzheimer's disease. Am J Pathol. 156 (2): 489-99.3. Sacks, S.H. & Chowdhury, P. (2002) Footprints of humoral rejection. Curr Opin Nephrol Hypertens. 11 (6): 627-8.4. Racusen, L.C. <i>et al.</i> (2003) Antibody-mediated rejection criteria - an addition to the Banff 97 classification of renal allograft rejection. Am J Transplant. 3 (6): 708-14.5. Yang, Y. <i>et al.</i> (2004) The intricate role of complement component C4 in human systemic lupus erythematosus. Curr Dir Autoimmun. 7: 98-132.6. Troxell, M.L. & Lanciault, C. (2016) Practical Applications in Immunohistochemistry: Evaluation of Rejection and Infection in Organ Transplantation. Arch Pathol Lab Med. 140 (9): 910-25.
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Storage	<p>This product is shipped at ambient temperature. It is recommended to aliquot and store at -20°C on receipt. When thawed, aliquot the sample as needed. Keep aliquots at 2-8°C for short term use (up to 4 weeks) and store the remaining aliquots at -20°C.</p> <p>Avoid repeated freezing and thawing as this may denature the antibody. Storage in frost-free freezers is not recommended</p>
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Guarantee	12 months from date of despatch
Health And Safety Information	Material Safety Datasheet documentation #10077 available at: www.neo-biotech.com 10077
Regulatory	For research purposes only