

Product Datasheet

Complement C4d Antibody (A24-T) NBP1-79075-100ul

Unit Size: 100 ul

Store at 4C. Do not freeze.

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NBP1-79075-100ul**Complement C4d Antibody (A24-T)****Product Information**

Unit Size	100 ul
Concentration	Please see the vial label for concentration. If unlisted please contact technical services.
Storage	Store at 4C. Do not freeze.
Clonality	Monoclonal
Clone	A24-T
Preservative	0.05% Sodium Azide
Isotype	IgG
Purity	Immunogen affinity purified
Buffer	20mM Tris-HCl (pH 8.0) and 20mg/ml BSA

Product Description

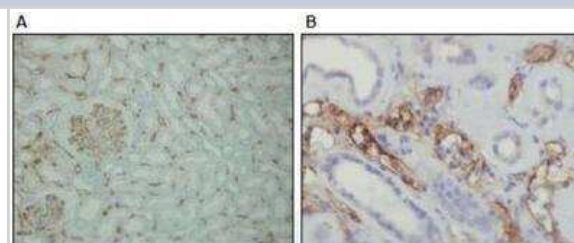
Description	This antibody is immunoaffinity purified with immunogenic peptide as a ligand.
Host	Rabbit
Gene ID	720
Gene Symbol	C4A
Species	Human
Immunogen	Peptide derived from internal sequence of human C4.
Notes	This antibody is immunoaffinity purified with immunogenic peptide as a ligand.

Product Application Details

Applications	Immunohistochemistry, Immunohistochemistry-Paraffin
Recommended Dilutions	Immunohistochemistry 1:100 - 1:200, Immunohistochemistry-Paraffin 1:100-1:200

Images

Immunohistochemistry-Paraffin: Complement C4d Antibody (A24-T) [NBP1-79075] - Human transplanted kidney stained with anti-C4d complement antibody shows diffuse strong positive immunostaining of peritubular and glomerular capillaries (A), indicating acute antibody mediated rejection and diffuse strong positive immunostaining of dilated peritubular moderate capillaries (B), indicating acute antibody mediated rejection.



Procedures

Immunohistochemistry-Paraffin Protocol for Complement C4d Antibody (NBP1-79075)

IHC-P protocol (NBP1-79075):

1. Deparaffinize the section in 3 changes of xylene, 10 minutes each.
2. Wash the section in 96%, 80% and 70% benzyl alcohol for 10 minutes each.
3. Rinse in distilled water, 2 x 5 minutes.
4. Block the endogenous peroxidase by incubating the tissue in 3% hydrogen peroxide (H₂O₂) for 10 minutes.
5. Wash in distilled water, 2 x 5 minutes.
6. For antigen retrieval: immerse the slide in the citrate buffer, pH 6.0, 0.05% Tween-20*, and incubate in microwave (600W) for 10 minutes. (Alternatively adjust to your own protocol, keeping the required pH)
7. Remove the staining to room temperature and let the slide to cool (in citrate buffer, pH 6.0) for 20 minutes.
8. Rinse in distilled water, 2 x 5 minutes.
9. Wash in 0.05 M Tris-HCl , pH 7.6 buffer supplemented with 0.2% of Tween-20 (buffer A), 2 x 5 minutes
10. Incubate the section with primary antibody diluted in buffer A at the dilution 1:100 - 200 for 1 hour in the closed wet chamber.
11. Wash 3 x 5 minutes with buffer A.
12. Apply the secondary antibody (the protocol depends on the supplier), and proceed to standard immunohistochemistry protocol (HRP - Peroxide - DAB).
13. Wash 3 x 5 minutes with buffer A.
14. Apply the chromogen (DAB), 10 minutes.
15. Wash in water, 2 x 5 minutes.
16. Rinse in solution containing 150mM CuSO₄.5H₂O and 20mM NaCl.
17. Wash in distilled water, 1 x 2 minutes.
18. Stain in hematoxylin for 5 minutes.
19. Wash in distilled water, 3 x 2 minutes.
20. Rinse in 37mM ammonium hydroxide solution.
21. Wash in distilled water, 1 x 2 minutes.
22. Mount the slide for observation.





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Products Related to NBP1-79075-100ul

HAF008	Goat anti-Rabbit IgG Secondary Antibody [HRP]
NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP2-24891	Rabbit IgG Isotype Control
210-TA-005	TNF-alpha [Unconjugated]

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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