

Product Datasheet

CD3 Antibody (N26-R) NBP1-79054-100ul

Unit Size: 100 ul

Store at 4C. Do not freeze.

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NBP1-79054-100ul

CD3 Antibody (N26-R)

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	N26-R
Preservative	0.05% Sodium Azide
Isotype	IgG
Purity	Immunogen affinity purified
Buffer	20mM Tris-HCl (pH 8.0) and 20mg/ml BSA
Target Molecular Weight	23.1 kDa

Product Description

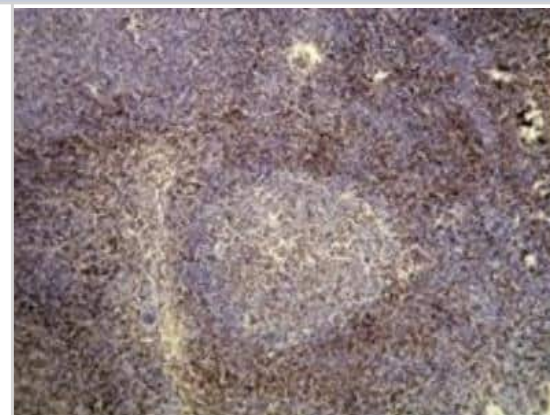
Description	This antibody is immunoaffinity purified with immunogenic peptide as a ligand.
Host	Rabbit
Gene ID	916
Gene Symbol	CD3E
Species	Human
Immunogen	This CD3 antibody was developed against a peptide derived from cytoplasmic, C-terminal region of human CD3-epsilon chain. Antibody recognizes the epitope between Lys156 - Glu178.
Notes	This antibody is immunoaffinity purified with immunogenic peptide as a ligand.

Product Application Details

Applications	Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin
Recommended Dilutions	Immunohistochemistry 1:100 -1:200, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry-Paraffin 1:100 - 1:200
Application Notes	Use in Immunocytochemistry/immunofluorescence reported in scientific literature (PMID: 24695686).

Images

Immunohistochemistry-Paraffin: CD3 Antibody (N26-R) [NBP1-79054] - CD3 positivity in T-lymphocytes of the normal lymph node, stained with anti-CD3 antibody. FFPE human tissue (4 um section) stained.



Publications

Bailey C, Wei Y, Yan J et al. Genetic and pharmaceutical targeting of HIF1 α allows combo-immunotherapy to boost graft vs. leukemia without exacerbation graft vs. host disease Cell reports. Medicine 2023-10-03 [PMID: 37827154] (IHC-P, Mouse)

Liarski Vladimir M, Kaverina Natalya, Chang Anthony et al. Cell distance mapping identifies functional T follicular helper cells in inflamed human renal tissue. Science Translational Medicine 2014-01-01 [PMID: 24695686] (ICC/IF, Human)



Procedures

Immunohistochemistry-Paraffin protocol for CD3 Antibody (NBP1-79054)

IHC-P Protocol (NBP1-79054):

1. Deparaffinize the section in 3 changes of xylene, 5 minutes each.
2. Wash the section in 96%, 80% and 70% benzyl alcohol for 5 minutes each.
3. Rinse in distilled water.
4. Block the endogenous peroxidase by incubating the tissue in 3% hydrogen peroxide (H₂O₂) for 10 minutes.
5. Wash in distilled water.
6. For antigen retrieval: immerse the slide in Tris-EDTA buffer, pH 9.0, 0.05% Tween- 20*, and incubate in microwave (850W) for 20 minutes. (Alternatively adjust to your own protocol, keeping the required pH)
7. Remove the staining to room temperature and let the slide to cool for 15 minutes.
8. Rinse in distilled water.
9. Wash in 0.05 M Tris-HCl , pH 7.6 buffer supplemented with 0.2% of Tween-20 (buffer A) for 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 twice 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 twice 5 minutes with buffer A.
14. Apply the chromogen (DAB), 10 minutes.
15. Wash in water - 10 minutes.
16. Stain in hematoxylin for 5 minutes.
17. Wash in water - 10 minutes.
18. Dehydrate the section in 2 changes of 96% benzyl alcohol for 5 minutes each.
19. Wash the section in 2 changes of xylene for 2 minutes each.
20. Mount the slide for observation.





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Products Related to NBP1-79054-100ul

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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