

# Product Datasheet

## CD20 Antibody (E17-P)

**NBP1-30144-0.1ml**

Unit Size: 0.1 ml

Store at 4C. Do not freeze.

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**NBP1-30144-0.1ml**

CD20 Antibody (E17-P)

**Product Information**

<b>Unit Size</b>	0.1 ml
<b>Concentration</b>	Please see the vial label for concentration. If unlisted please contact technical services.
<b>Storage</b>	Store at 4C. Do not freeze.
<b>Clonality</b>	Monoclonal
<b>Clone</b>	E17-P
<b>Preservative</b>	0.05% Sodium Azide
<b>Isotype</b>	IgG
<b>Purity</b>	Immunogen affinity purified
<b>Buffer</b>	20mM Tris-HCl (pH 8.0) and 20mg/ml BSA

**Product Description**

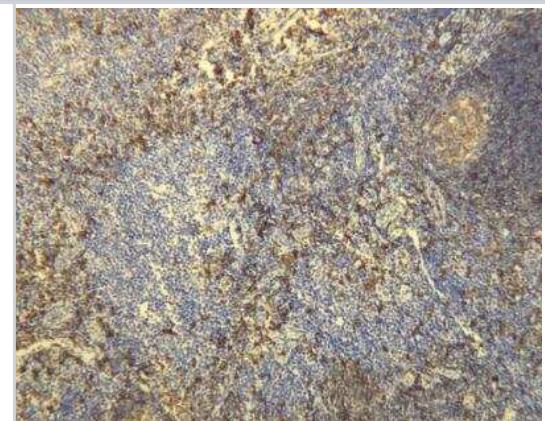
<b>Host</b>	Rabbit
<b>Gene ID</b>	931
<b>Gene Symbol</b>	MS4A1
<b>Species</b>	Human
<b>Specificity/Sensitivity</b>	This antibody is specific for the C-terminus of CD20.
<b>Immunogen</b>	Peptide derived from C-terminal sequence of human CD20. Antibody recognizes the epitope between Pro283 - Ser295.
<b>Notes</b>	This antibody is immunoaffinity purified with immunogenic peptide as a ligand.

**Product Application Details**

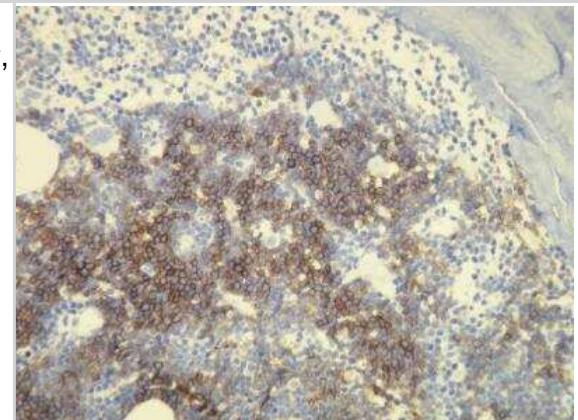
<b>Applications</b>	Immunohistochemistry, Immunohistochemistry-Paraffin
<b>Recommended Dilutions</b>	Immunohistochemistry 1:100 - 1:200, Immunohistochemistry-Paraffin 1:100 - 1:200

## Images

Immunohistochemistry-Paraffin: MS4A1/CD20 Antibody (E17-P) [NBP1-30144] - CD20 expression in b-lymphocytes of the palatine tonsil. Formalin fixed, paraffin embedded human tissues (4 um sections) stained with anti- CD20 monospecific clonal antibody



Immunohistochemistry-Paraffin: MS4A1/CD20 Antibody (E17-P) [NBP1-30144] - Chronic lymphocytic leukaemia cells in the bone marrow biopsy, showing CD20 expression. Formalin fixed, paraffin embedded human tissues (4 um sections) stained with anti- CD20 monospecific clonal antibody.



## Publications

Shao Y, Lo Cm, Ling Cc et al. Regulatory B cells accelerate hepatocellular carcinoma progression via CD40/CD154 signaling pathway. *Cancer Lett.* 2014-10-06 [PMID: 25301451] (IHC-P)

## Procedures

### Immunohistochemistry-Paraffin protocol for CD20 Antibody (NBP1-30144)

#### IHC-P protocol (NBP1-30144):

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 (H<sub>2</sub>O<sub>2</sub>) for 10 minutes.
5. Wash in distilled water for 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 5 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 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 - 500 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. Rinse 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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## 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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