

Rabbit EBV/LMP-1 Monoclonal Antibody | anti-EBV/LMP-1 antibody

Anti - EBV/LMP-1

CATALOG # AAA14933	HOST Rabbit	APPLICATIONS Immunohistochemistry
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PRODUCT SYNONYMS

EBV/LMP-1; Monoclonal Antibody; Anti - EBV/LMP-1; anti-EBV/LMP-1 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Clonality	Monoclonal
Clone Number	D24-G
Specificity	Human
Form/Format	20 mM Tris-HCl, pH 8.0
Sequence Length	386
Applicable Applications for anti-EBV/LMP-1 antibody	IHC (Immunohistochemistry)

IHC-P PROTOCOL:

1. Deparaffinize the section in 3 changes of xylene, 5 minutes each.
2. Wash the section in 96%, 80% and 0% thyl alcohol for 10 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 for 5 minutes.
6. For antigen retrieval: immerse the slide in the citrate buffer, pH 6.0, 0.05% Tween-20*, and incubate in a water bath at 96°C for 40 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.
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. CONCENTRATED: Incubate the section with primary antibody at the dilution 1:100 -1:200 for 1 hour in the closed wet chamber.
- READY TO USE (RTU): Incubate the section with primary antibody (ready to use) for 1 hour in a 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). Micropolymer-HRP detection kit rabbit/mouse .
13. Wash twice 5 minutes with buffer A.
14. Apply the chromogen (DAB), 1 -3 minutes.
15. Wash in water for 10 minutes.
16. Stain in hematoxylin for 5 minutes.
17. Wash in water for 10 minutes.
18. Dehydrate the section in 2 changes of 96% ethyl alcohol for 5 minutes each.
19. Wash the section in 2 changes of xylene for 2 minutes each.
20. Mount the slide for observation.

Citrate Buffer(10mM Citric Acid, 0.05% Tween-20, pH 6.0):

Citric acid (anhydrous) -----1.92 g; Distilled water -----1000 ml.

Mix to dissolve in 700 ml of distilled water. Adjust pH to 6.0 with 1M NaOH and then add 0.5 ml of Tween-20 and mix well.

Adjust the final volume to 1 liter with distilled water.

Store this solution at room temperature for 3 months or at +4°C for longer storage.

VENTANA PROTOCOL:

PROCEDURE: U ultraView DAB

1. Deparaffinization.
2. Heating (72 °C) at the medium temperatures. Deparaffinization.
3. Cell conditioning.
4. ULTRA conditioner #1.
5. Heating glass (95 °C), incubation 8 min. (Cell conditioner #1; buffer CC1).
6. ULTRA CC1 solution application – 36 min.
7. Antibody incubation temperature.
8. Heating glass (36 °C), incubation 4 min.
9. Titration.
10. Hand apply – primary antibody 100 ?l. Incubation 32 min.
11. ultraWash.
12. Nuclear stain.
13. Hematoxylin II application – one drop (nuclear stain). Cover and incubate 12 min.
14. After nuclear stain.
15. Bluing reagent application, one drop. After nuclear stain, cover and incubate 4 min.

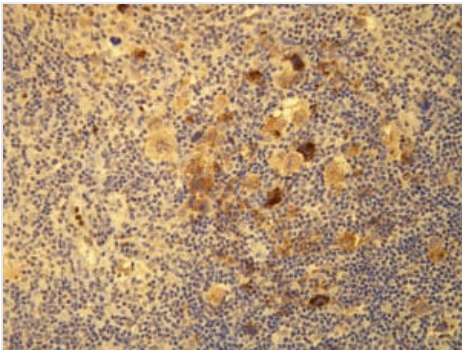
LEICA BOND MAX PROTOCOL:

Protocol F:

- Visualization system: BOND Refine DS9800
- Epitope retrieval / heating time / temperature: ER2 / 30 min. / 100 °C
- Incubation of primary antibody / temperature: 30 min. / 20 °C

Immunogen	Peptide derived from the internal region of Epstein-Barr virus (EBV), Latent Membrane Protein-1 (LMP1). Antibody recognizes the epitope between Asp293 -Asp312
Stabilizer	20 mg/ml BSA
Preservative	0.05% NaN ₃
Cellular localization	Nucleus
Positive Control	Lymph node Hodgkins lymphoma tissue
PRECAUTIONS	1. We strongly recommend to use Primary Antibody Diluent eventually alternative diluent containing protease free BSA at the concentrations ≥ 1 mg/ml) for dilution of concentrated antibodies, otherwise the warranty might be voided. 2. Centrifuge the vial before use. 3. Intended for professional use in laboratories. . 4.Do not use after expiration date stamped on vial label. . 5. Avoid contamination of the reagent. . 6. Any discrepancies in the recommended procedures stated in the working protocol may affect the final results. . 7. The reagent contains sodium azide (NaN ₃) which is highly toxic in higher concentrations. The concentration in the reagent (0.05%) is not considered as hazardous. . 8. Disposal of waste material must be conducted in accordance with local regulations. . 9. Wear appropriate Personal Protective Equipment to avoid contact with eyes and skin.
Preparation and Storage	Store at +4°C.

IMAGES



IHC (Immunohistochemistry)
 HRS cells of the classical Hodgkin Lymphoma showing cytoplasmic expression of the EBV LMP-1 protein. Formalin fixed, paraffin embedded human tissue (4 um section) stained with anti - EBVLMP-1 (AAA14933)

NCBI AND UNIPROT INFORMATION

NCBI GI #	126373
NCBI GeneID	3783750
UniProt Accession #	P03230; Q777A4; 1011284A
NCBI Official Full Name	Latent membrane protein 1
NCBI Official Symbol	LMP1
NCBI Protein Information	LMP1; hypothetical protein
UniProt Protein Name	Latent membrane protein 1
UniProt Gene Name	LMP1
UniProt Synonym Gene Names	LMP-1
UniProt Entry Name	LMP1_EBVB9

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/monoclonal/ebv-lmp-1-antibody-clone-d24-g-immunohistochemistry-elisa/14933>