

EBV LMP-1 Antibody

Datasheet

For Research Use Only

Description	Catalog No.	Size
EBV LMP-1 Concentrate	FP-A080-01	0.1 ml
EBV LMP-1 Concentrate	FP-A080-05	1 ml
EBV LMP-1 Predilute	FP-A080-70	7 ml

Description

Epstein-Barr Virus Latent Membrane Protein 1 (EBV LMP-1) is one of the few proteins expressed during the lysogenic or latent infection cycle of Epstein-Barr virus, which is a member of the herpes family and is also known as human herpesvirus 4 (HHV-4). LMP-1 is a proto-oncogene that is expressed in most EBV-associated human malignancies. Anti-EBV LMP-1 is useful for detecting Hodgkin's and Reed-Sternberg cells in classic Hodgkin's Lymphoma.

Specifications

Clone	IHC563
Source	Mouse Monoclonal
Applications	IHC (P)
Formulation	Tris Buffer, pH 7.3 - 7.7, with 1% BSA and <0.1% Sodium Azide

IHC Procedure*

Positive Control Tissue	EBV Infected Tissue
Concentrated Dilution	1:50 – 1:200
Pretreatment	Perform heat-induced epitope retrieval (HIER) at pH 9 for 10 to 30 minutes
Incubation Time and Temp	10 to 30 minutes at room temperature
Detection	Refer to the detection system manual

*Result should confirmed by an established diagnostic procedure.

Result

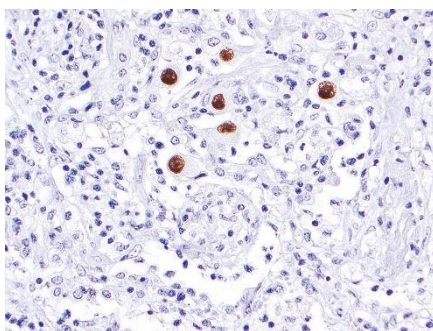


Figure. EBV LMP-1 on Infected Colon Tissue



Storage and Handling

Must store the reagent at 2-8 °C. Do not freeze. Do not use the reagent after expiration date on vial. To ensure proper stability and delivery of the antibody after each run, replace the cap and immediately place the bottle in a refrigerator in an upright position. Positive and negative controls should be simultaneously run with unknown specimens, as there are no conclusive characteristics to suggest instability of the antibody.

Precautions

The product is for research use only. Do not use for diagnosis purpose. Ensure proper handling procedures are used with all reagents. Always wear laboratory coats, disposable gloves, and other appropriate laboratory equipment when handling reagents. Do not ingest reagents, and avoid contact with eyes and mucous membranes. Wash eyes with copious amounts of water if contact occurs.

References

1. **Ersing I**, et al. "NF- κ B and IRF7 pathway activation by Epstein-Barr virus Latent Membrane Protein 1." *Viruses*. 2013 Jun 21;5(6):1587-606.
2. **Herling M**, et al. "Expression of Epstein-Barr virus latent membrane protein-1 in Hodgkin and Reed-Sternberg cells of classical Hodgkin's lymphoma: associations with presenting features, serum interleukin 10 levels, and clinical outcome." *Clin Cancer Res*. 2003 Jun;9(6):2114-20.
3. **Andersson J**. "Epstein-Barr virus and Hodgkin's lymphoma." *Herpes*. 2006 May;13(1):12-6.

Technical Support

Contact FemtoPath Technical Support at +886232338585 or email to femtopath@hongjing.com.tw for questions regarding this product.