

Anti-LMP1 [H11F6] Bulk Size Ab03458-15.0-BT

This antibody does not have a J-chain and therefore presents as a hexamer, rather than a pentamer.

This full-length reformatted human antibody was made using the variable domain sequences of the original Human scFv format for improved compatibility with existing reagents assays and techniques.

Isotype and Format: Human IgM, Lambda

Clone Number: H11F6

Alternative Name(s) of Target: BNLF1; LMP-1; Latent membrane protein 1; Protein p63

UniProt Accession Number of Target Protein: P03230

Published Application(s): ELISA

Published Species Reactivity: Epstein Barr virus, Human herpesvirus 4

Immunogen: The original antibody was isolated from a human non-immune scFv phage display library by screening antibodies against a 44-mer polypeptide corresponding to the CTAR1/TES1 site of LMP1 (TES1 polypeptide).

Specificity: This antibody specifically binds the CTAR1/TES1 (C terminus activation region 1/transformation effector site 1) which comprises the membrane-most proximal 34 amino acids (amino acid residues 196–231) of carboxy-terminal cytoplasmic tail of the oncogenic latent membrane protein 1 of the Epstein-Barr virus (EBV). EBV latent membrane protein 1 (LMP1) is essential to virus-induced B cell immortalization and the downregulation of cell adhesion molecules that increases cell motility. It acts as a CD40 functional homolog to prevent apoptosis of infected B-lymphocytes and drive their proliferation.

Application Notes: The binding characterization of this antibody to the TES1 polypeptide of the LMP1 protein of Epstein-Barr virus was done using ELISA. This antibody can selectively block F-LMP1-induced NFkappaB activity that was mediated through the TES1-site and to bind LMP1 protein with high efficiency (PMID: 14659750).

Antibody First Published in: Gennari et al. Direct phage to intrabody screening (DPIS): demonstration by isolation of cytosolic intrabodies against the TES1 site of Epstein Barr virus latent membrane protein 1 (LMP1) that block NF-kappaB transactivation. J Mol Biol. 2004 Jan 2;335(1):193-207. [PMID:14659750](#)

Note on publication: Describes the isolation of an intrabody that specifically binds the TES1 polypeptide of the Epstein-Barr virus.

Product Form

Size: 1 mg Purified antibody in bulk size.

Purification: Affinity Purified using a recombinant lectin column

Supplied In: PBS only.

Storage Recommendation: Store at 4°C for up to 3 months. Note, this antibody is provided without added preservatives, it is therefore recommended this antibody be handled under sterile conditions. For longer storage, aliquot and store at -20°C.

Concentration: 1 mg/ml.

Important note – This product is for research use only. It is not intended for use in therapeutic or diagnostic procedures for humans or animals.