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# 36-3695: Anti-EBV Early Antigens (Epstein Barr Virus) Monoclonal Antibody(Clone: 1108-1)

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|---|---|
| **Clonality :** | Monoclonal |
| **Clone Name :** | 1108-1 |
| **Application :** | IF |
| **Alternative Name :** | EBNA1; EBV nuclear antigen 1; Epstein Barr nuclear antigen 1; Human Herpesvirus 4 (HHV4) |
| **Isotype :** | Mouse IgG1, kappa |
| **Immunogen Information :** | Affinity Purified early antigen polypeptides from induced Raji cells precipitated with African Burkitt's lymphoma sera |

## Description

Epstein-Barr virus (EBV), also designated human herpesvirus 4 (HHV-4), is a member of the herpesvirus family and is one of the most common human viruses. EBV infects B cells and, thoÂµgh often asymptomatic, it can cause infectious mononucleosis, a disease characterized by fatigue, fever, sore throat and muscle soreness. The EBV-induced early antigens (Ea) are among several antigen complexes that have been identified in EBV-infected cells. The Ea complex is composed of diffuse (Ea-D) and restricted (Ea-R) components. The activity of Ea-D is suppressed during latent infection. BMRF1, the gene that encodes for Ea-D, is closely associated with the gene encoding for EBV DNA polymerase, and Ea-D is essential for the activity of this polymerase. Ea-D forms a complex with EBV DNase and, together, they may play a role in viral replication.

## Product Info

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| **Amount :** | 20 µg / 100 µg |
| **Content :** | 200 µg/ml of Ab Purified from Bioreactor Concentrate by Protein A/G. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml. |
| **Storage condition :** | Antibody with azide - store at 2 to 8°C. Antibody without azide - store at -20 to -80°C. Antibody is stable for 24 months. Non-hazardous. |

## Application Note

Immunofluorescence (1-2ug/ml);

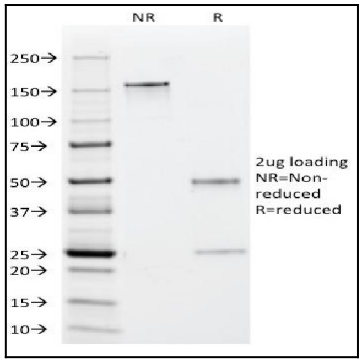



Fig. 1: SDS-PAGE Analysis Purified EBV Mouse Monoclonal Antibody (1108-1). Confirmation of Purity and Integrity of Antibody.

***For Research Use Only. Not for use in diagnostic/therapeutics procedures.***