EBV Ea-D (1108-1): sc-69679

**BACKGROUND**

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, though often asymptomatic, it can cause infectious mononucleosis, a disease characterized by fatigue, 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, polymerase. Ea-D forms a complex with EBV DNase and, together, they may play a role in viral replication.

**REFERENCES**


**SOURCE**

EBV Ea-D (1108-1) is a mouse monoclonal antibody raised against affinity purified early antigen polypeptides from induced Raji cells precipitated with African Burkitt’s lymphoma sera.

**PRODUCT**

Each vial contains 200 µg IgG1 kappa light chain in 1.0 ml of PBS with < 0.1% sodium azide and 0.1% gelatin.

EBV Ea-D (1108-1) is available conjugated to agarose (sc-69679 AC), 500 µg/0.25 ml agarose in 1 ml, for IF; to HRP (sc-69679 HRP), 200 µg/ml, for WB, IHC(P) and ELISA; to either phycoerythrin (sc-69679 PE), fluorescein (sc-69679 FITC), Alexa Fluor® 488 (sc-69679 AF488), Alexa Fluor® 546 (sc-69679 AF546), Alexa Fluor® 594 (sc-69679 AF594) or Alexa Fluor® 647 (sc-69679 AF647), 200 µg/ml, for WB (RGB), IF, IHC(P) and FCM; and to either Alexa Fluor® 680 (sc-69679 AF680) or Alexa Fluor® 790 (sc-69679 AF790), 200 µg/ml, for Near-Infrared (NIR) WB, IF and FCM.

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**APPLICATIONS**

EBV Ea-D (1108-1) is recommended for detection of EBV Ea-D p55/p50 of Epstein-Barr Virus origin by Western Blotting (starting dilution 1:200, dilution range 1:100-1:1000), immunoprecipitation (1-2 µg per 100-500 µg of total protein (1 ml of cell lysate)) and immunofluorescence (starting dilution 1:50, dilution range 1:50-1:500).

Molecular Weight of EBV Ea-D: 43 kDa.

Molecular Weight of EBV Ea-D p52/p50: 52/50 kDa.

**RECOMMENDED SUPPORT REAGENTS**

To ensure optimal results, the following support reagents are recommended:

1) Western Blotting: use m-IgGκ BP-HRP: sc-516102 or m-IgGκ BP-PE: sc-25491 or UltraCruz® Hard-set Mounting Medium: sc-359850.

**SELECT PRODUCT CITATIONS**


**RESEARCH USE**

For research use only, not for use in diagnostic procedures.