



# Recombinant EBV Early Antigen D [GST] (DAG543)

This product is for research use only and is not intended for diagnostic use.

## PRODUCT INFORMATION

|                         |                                                                                                                                                                                                                                                                 |
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| <b>Product Overview</b> | Recombinant Epstein Barr Virus antigen, contains the the EBV (HHV-4) Early Antigen D immunodominant region and a GST fusion partner, has the molecular weight of 34kDa, was expressed in E. coli, and puried in vitro using conventional chromatography techniq |
| <b>Species</b>          | EBV                                                                                                                                                                                                                                                             |
| <b>Purity</b>           | > 95% pure (10% PAGE, coomassie staining). GS-4B Sepharose Affinity Purification                                                                                                                                                                                |
| <b>Conjugate</b>        | GST                                                                                                                                                                                                                                                             |
| <b>Applications</b>     | Suitable for use in ELISA and Western blot. Each laboratory should determine an optimum working titer for use in its particular application. Other applications have not been tested but use in such assays should not necessarily be excluded.                 |
| <b>Molecular Weight</b> | 34 kDa                                                                                                                                                                                                                                                          |
| <b>Format</b>           | Purified, Liquid                                                                                                                                                                                                                                                |
| <b>Concentration</b>    | 1 mg/ml                                                                                                                                                                                                                                                         |
| <b>Size</b>             | 1 mg                                                                                                                                                                                                                                                            |
| <b>Buffer</b>           | 50mM Tris-HCl, pH 8, 10mM Glutathione, 60mM Sodium chloride, 0.5% sarcosyl, 50% glycerol                                                                                                                                                                        |
| <b>Preservative</b>     | None                                                                                                                                                                                                                                                            |
| <b>Storage</b>          | 2-8°C short term, -20°C long term                                                                                                                                                                                                                               |

## BACKGROUND

**Introduction**

The Epstein–Barr virus (EBV), also called human herpesvirus 4 (HHV-4), is a virus of the herpes family, which includes herpes simplex virus 1 and 2, and is one of the most common viruses in humans. It is best known as the cause of infectious mononucleosis. It is also associated with particular forms of cancer, particularly Hodgkin's lymphoma, Burkitt's lymphoma, nasopharyngeal carcinoma, and central nervous system lymphomas associated with HIV. Finally, there is evidence that infection with the virus is associated with a higher risk of certain autoimmune diseases, especially dermatomyositis, systemic lupus erythematosus, rheumatoid arthritis and multiple sclerosis.

**Keywords**

EBV Early Antigen-R Homologue Bcl-2; Herpesviridae; Gammaherpesvirinae; Lymphocryptovirus; Human herpesvirus 4 (HHV-4); EA-R