

Recombinant Cytomegalovirus Glycoprotein B (gB)

ORDERING INFORMATION

Catalog No.	Size
94310P-100	100ug
94310P-500	500ug
94310P-1000	1000ug

FORMULATION

Purified recombinant CMV gB in 25mM Tris, pH 7.2, 1mM EDTA, and 50% glycerol; purity >95% as determined by 10% PAGE (Coomassie staining).

ACCESSION NO.

P06473

BACKGROUND

Human cytomegalovirus (HCMV) is a double-stranded DNA enveloped virus that can establish latent infection and cause disease in immunocompromised individuals. Entry of HCMV into cells requires the conserved glycoprotein B (gB) which has been identified as a fusogen. gB is immunogenic and stimulates production of neutralizing antibodies, but most anti-gB antibodies are non-neutralizing. Heavy glycosylation of the gB ectodomain appears to mask neutralizing epitopes while exposing non-neutralizing epitopes which helps HCMV avoid immune clearance.

DESCRIPTION

Recombinant HCMV gB is produced in *E. coli* and contains immunodominant aa 11-67 (6.5kDa). It is fused with a 26kDa GST tag and is purified by proprietary chromatographic techniques. This product is reactive with sera collected from CMV-infected individuals.

STORAGE AND STABILITY

This product is stable at 4°C for one (1) week, but storage at ≤-20°C is recommended.

For in vitro investigational use only. Not for use in therapeutic or diagnostic procedures.