CMV pp38 (residues 117-373)
Cytomegalo Virus Phosphoprotein 38
recombinant, E. coli

<table>
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<tr>
<th>Cat. No.</th>
<th>Amount</th>
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<tr>
<td>PR-1249-1</td>
<td>1 mg</td>
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For in vitro use only
Quality guaranteed for 12 months
Store at -20°C

Avoid freeze / thaw cycles

Form
Liquid. Supplied in 25 mM Tris-HCl pH 8.0, 1 mM EDTA and 50% glycerol.

Application
Antigen in ELISA and Western blots, excellent antigen for detection of CMV with minimal specificity problems.

Specificity
Immunoreactive with sera of CMV-infected individuals.

Molecular Weight
52.8kDa

Purity
>95% by SDS-PAGE and RP-HPLC

Description
The E.coli derived 52.8kDa recombinant protein contains the CMV Pp38 (UL80a) immunodominant regions, 117-373 amino acids and is fused to a GST-Tag at the C-terminus. The protein is purified by proprietary chromatographic technique.

Background
Human cytomegalovirus (HCMV), a member of the herpesvirus family, demonstrates cell specificity for virus assembly and release.

In the viral particle this antigen is bound via S-S bridge to a lower Mr compound to form a final complex of 62 kDa. p38 is present both in the nucleus and in the cytoplasm of CMV-infected cells starting from 24 h postinfection and increasingly thereafter. Immunoelectron microscopy revealed that this antigen is mainly associated with the internal portion of viral capsids both in the nucleus and in the cytoplasm.

Selected References: