Recombinant CMV UL44 Antigen, His tagged, Biotinylated

Cat. No. UL44-066C **Lot. No.** (See product label)

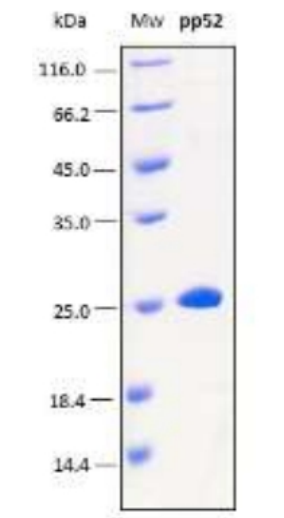
SPECIFICATION

Product Overview	The CMV antigen pp52 has been prepared as a truncated recombinant antigen fused to a his-tag in its N-terminal and monobiotinylated in vivo. It is produced from the immunological regions of the UL44 gene, which codifies the DNA polymerase processivity subunit of CMV.
Species	CMV
Source	E.coli
Description	pp52 (UL44) is the DNA polymerase processivity subunit of CMV. It is a phosphorylated protein, with a high presence in the virus and DNA binding capacity. pp52 corresponds to an immediate early antigen. It is one of the serological targets for detection of CMV-specific IgM.
Tag	N-His
Conjugation/Label	Biotin
Molecular Mass	Determined by SDS-PAGE, the protein band is at the molecular marker of 25 kDa, while relative molecular mass calculated from amino acid sequence is 21,968.5 Da.
Purity	> 95% by observation on SDS-PAGE electrophoresis
Applications	WB, DB, CE, NP, PO

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Storage	Upon arrival, it should be aliquoted to avoid repeated freezing and thawing cycles and stored at -20 to -80 centigrade. In order to defrost the protein, maintain the aliquot at 25 centigrade without shaking to avoid aggregation.
Storage Buffer	20 mM phosphate buffer pH 6 and 0.15 M NaCl
Concentration	2.14 mg/mL
Shipping	Protein is shipped with dry ice.
Reference	1. Maine, G.T., R. Stricker, M. Schuler, J. Spesard, S. Brojanac, B. Iriarte, K. Herwig, T. Gramins, B. Combs, J. Wise, H. Simmons, T. Gram, J. Lonze, D. Ruzicki, B. Byrne, J. D. Clifton, L. E. Chovan, D. Wachta, C. Holas, D. Wang, T. Wilson, S. Tomazic-Allen, M. A. Clements, G. L. Wright, Jr., T. Lazzarotto, A. Ripalti, andM. P. Landini. Development and Clinical Evaluation of a Recombinant-Antigen-Based Cytomegalovirus Immunoglobulin M Automated Immunoassay Using the Abbott AxSYM Analyzer. 2000, J Clin Microbiol., 38(4):1476-1481. 2. Gill SC, von Hippel PH. Calculation of protein extinction coefficients from amino acid sequence data. Anal Biochem. 1989 Nov 1;182(2):319-26.
Conjugation	Biotin

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Purity	 SDS-PAGE analysis (15%) of 2 μL of recombinant chimera pp52-Biot. Purity is > 95% as determined by gel electrophoresis.

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