Monoclonal Antibody to Cytomegalovirus (CMV) gB - Purified

Alternate names: Glycoprotein B, HCMV, HHV5, UL55
Catalog No.: BM1057
Quantity: 0.2 mg
Concentration: 1.0 mg/ml
Background: Cytomegalovirus (HCMV) glycoprotein B (gB) is an abundant virion envelope protein that has been shown to be essential for the infectivity of HCMV. HCMV gB is also one of the most immunogenic virus-encoded proteins, and a significant fraction of virus neutralizing antibodies are directed at gB. Glycoprotein B (gB) is the main antigenic protein within the envelope of HCMV. It is required for CMV mediated membrane fusion along with the gH/gL complex. The unprocessed precursor of HCMV gB is 906 amino acids in length, with a MW of approximately 100 kDa.

Uniprot ID: P06473
NCBI: NP_039989
GeneID: 1487750
Host / Isotype: Mouse / IgG2a
Clone: HCMV37
Immunogen: Human CMV extracts.
Format: State: Liquid purified IgG fraction
Purification: Affinity Chromatography on Protein A
Buffer System: PBS
Preservatives: 0.09% Sodium Azide

Applications: ELISA.
Immunofluorescence: Reactive only in acetone fixed CMV infected cells or frozen sections.
Immunohistochemistry on Frozen sections.
Neutralization.
Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.

Specificity: The antibody is specific for Cytomegalovirus glycoprotein B late neutralizing antigen. Reacts with MRC-5 infected cells but not uninfected cells. This antibody has been found to be Neutralizing.

Storage: Store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing. Shelf life: one year from despatch.

For research and in vitro use only. Not for diagnostic or therapeutic work. Material Safety Datasheets are available at www.acris-antibodies.com or on request.