Monoclonal Antibody to Cytomegalovirus (CMV) gB - FITC

Alternate names: Glycoprotein B, HCMV, HHV5, UL55
Catalog No.: BM1057F
Quantity: 0.1 mg
Concentration: 0.1 mg/ml

Background: Cytomegalovirus is an enveloped double stranded DNA virus which in humans (HCMV) is commonly known as human herpesvirus 5 (HHV-5). Glycoprotein B (gB) is the main antigenic protein within the envelope of HCMV. It is required for HCMV 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 100kDa.

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 G
Buffer System: PBS, pH 7.2 containing 0.09% Sodium Azide as preservative and 1% BSA as stabilizer
Label: FITC – Fluorescein Isothiocyanate Isomer 1

Applications: Immunofluorescence.
Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.

Specificity: This antibody is specific for Cytomegalovirus glycoprotein B late neutralizing antigen. It 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. This product is photosensitive and should be protected from light. 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.