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12-8115: Recombinant Anti-Monkeypox L1 Antibody (Clone: MPXV-26)

Clonality :	Monoclonal
Clone Name :	MPXV-26
Application :	ELISA
Alternative Name :	MPXV
Isotype :	Human IgG1Î»
Immunogen Information :	MPXV-26 was generated from peripheral blood mononuclear cells obtained from donors who had recovered from naturally-occurring MPXV infection

Description

Reactivity Species: Vaccinia,Variola,Cowpox,Monkeypox,Virus
Expression Host: HEK-293
Endotoxin Level: ≤ 1.0 EU/mg as determined by the LAL method
Specificity: MPXV-26 is reactive against L1, an MV surface protein. Complementary screening approaches were used to identify orthopoxvirus-specific mAbs to MPXV, cowpox virus (CPXV), variola virus (VARV), and vaccinia virus (VACV). MPXV-26 is reactive to VACV antigen, CPXV lysate, VARV antigen and lysate, but not MPXV lysate. MPXV-26 binds to VACV and VARV purified antigens and CPXV virus-infected cell lysate but not VACV and MPXV cell lysates. MPXV-26 neutralizes VACV MV and MV plus complement (MV+C'), CPXV MV and MV+C', and weakly neutralizes MPXV MV and MV+C'. With cocktail of anti-monkeypox mAbs, neutralization and cross-neutralization are more efficient than in individual assays5. These mAb mixes also provide protection against VACV in mice. While not completely protective on its own, MPXV-26 induces delayed morbidity and mortality in mice, and mixes that exclude MPXV-26 are less effective prophylactics.

Product Info

Amount :	100 µg (1mg/mL)
Purification :	â‰¥95% monomer by analytical SEC
Content :	1.0 mg/ml. Formulation: This recombinant monoclonal antibody is aseptically packaged and formulated in 0.01 M phosphate buffered saline (150 mM NaCl) PBS pH 7.2 - 7.4 with no carrier protein, potassium, calcium or preservatives added.
Storage condition :	Functional grade preclinical antibodies may be stored sterile as received at 2-8°C for up to one year. For longer term storage, aseptically aliquot in working volumes without diluting and store at â‰¥ -70°C. Avoid Repeated Freeze Thaw Cycles.

For Research Use Only. Not for use in diagnostic/therapeutics procedures.