

Monkeypox Virus (MPXV) IgG ELISA Kit | E8L elisa kit

Human Anti-Monkeypox Virus (MPXV) IgG ELISA Kit (E8L)

CATALOG #
AAA120702

REACTIVITY
Monkeypox Virus (MPXV)

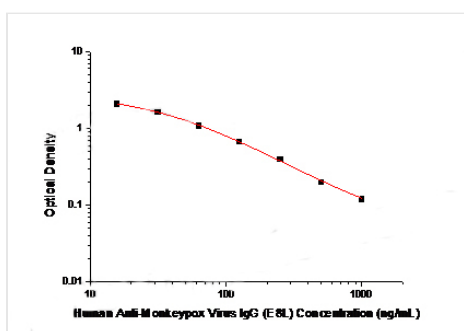
PRODUCT SYNONYMS

Monkeypox Virus (MPXV) IgG; Human Anti-Monkeypox Virus (MPXV) IgG ELISA Kit (E8L); E8L; Cell surface-binding protein; Carbonic anhydrase homolog; Monkeypox virus/MPXV; Mpox; E8L elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Monkeypox Virus (MPXV)
Assay Type	Quantitative Competitive
Samples	Serum and plasma
Detection Range	15.6 ng/mL - 1,000 ng/mL
Intra-assay Precision	Intra-Assay Precision (Precision within an assay): <20%. Three samples of known concentration were tested sixteen times on one plate to assess intra-assay precision.
Inter-assay Precision	Inter-Assay Precision (Precision between assays): <20%. Three samples of known concentration were tested in twenty four separate assays to assess inter-assay precision.
Preparation and Storage	When the kit was stored at the recommended temperature for 6 months, the signal intensity decreased by less than 20%. For unopened kits, if you want to prolong storage time, please store the Standard, Detection A, Detection B and Microplate at - 20 degree C, the rest reagents should be store at 4 degree C.

IMAGES



Application Data
CALCULATION OF RESULTS

ADDITIONAL INFORMATION

Related Product Information for E8L elisa kit	Principle of the Assay: This assay employs the quantitative competitive enzyme immunoassay technique. Recombinant Monkeypox virus E8L antigen has been pre-coated onto a microplate. Standards or samples are premixed with biotin-labeled antibody and then pipetted into the wells. Human Anti-Monkeypox virus IgG (E8L) in the sample competitively binds to the pre-coated protein with biotin-labeled Human Anti-Monkeypox virus IgG (E8L). After washing away any unbound substances, Streptavidin-HRP is added to the wells. Following a wash to remove any unbound enzyme reagent, a substrate solution is added to the wells and color develops in inversely proportion to the amount of Human Anti-Monkeypox virus IgG (E8L) bound in the initial step. The color development is stopped and the intensity of the color is measured. Intended Uses: Used for the quantitative determination of Human Anti-Monkeypox virus IgG (E8L) concentration in serum and plasma.
Product Categories/Family for E8L elisa kit	ELISA Kits
References	Expression, purification and characterization of C2 domain of milk fat globule-EGF-factor 8-L. PMID: 17049264 Rational development of multicomponent mRNA vaccine candidates against mpox. PMID: 36947428 MFG-E8 in the retina and retinal pigment epithelium of rat and mouse. PMID: 17167398 Inhibition of monkeypox virus replication by RNA interference. PMID: 19889227 In silico designing a novel TLR4-mediating multiepitope vaccine against monkeypox via advanced immunoinformatics and bioinformatics approaches. PMID: 37129119

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/e8l-monkey-elisa-kits/monkeypox-virus-mpxv-igg/120702>