

Monkeypox Virus (MPXV) IgG ELISA Kit | H3L elisa kit

Human Anti-Monkeypox Virus (MPXV) IgG ELISA Kit (H3L)

CATALOG #
AAA120701

REACTIVITY
Monkeypox Virus (MPXV)

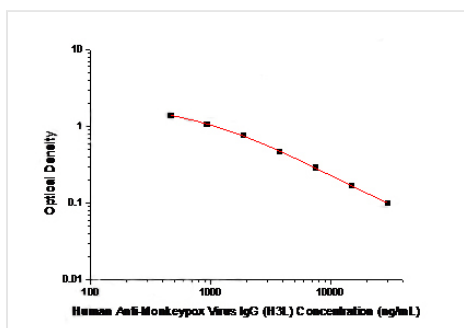
PRODUCT SYNONYMS

Monkeypox Virus (MPXV) IgG; Human Anti-Monkeypox Virus (MPXV) IgG ELISA Kit (H3L); H3L; Monkeypox virus/MPXV; Mpox; H3L elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Monkeypox Virus (MPXV)
Assay Type	Quantitative Competitive
Samples	Serum and plasma
Detection Range	469 ng/mL - 30,000 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 H3L elisa kit	Principle of the Assay: This assay employs the quantitative competitive enzyme immunoassay technique. Recombinant Monkeypox virus H3L 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 (H3L) in the sample competitively binds to the pre-coated protein with biotin-labeled Human Anti-Monkeypox virus IgG (H3L). 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 (H3L) 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 (H3L) concentration in serum and plasma.
Product Categories/Family for H3L elisa kit	ELISA Kits
References	Vaccinia virus H3L envelope protein is a major target of neutralizing antibodies in humans and elicits protection against lethal challenge in mice. PMID: 16140750 Poly[bis-[(2)-(dimethyl-aza-nium-yl)methyl-enediphospho-nato]magnesium]. PMID: 21522287 Vaccinia virus envelope H3L protein binds to cell surface heparan sulfate and is important for intracellular mature virion morphogenesis and virus infection in vitro and in vivo. PMID: 10708453 Cell population data: much more to explore. PMID: 36622868 Characterization of the vaccinia virus H3L envelope protein: topology and posttranslational membrane insertion via the C-terminal hydrophobic tail. PMID: 10906204

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://www.aaabiotech.com/h3l-monkey-elisa-kits/monkeypox-virus-mpxv-igg/120701>