

Monkeypox Virus (MPXV) IgG ELISA Kit | A29L elisa kit

Human Anti-Monkeypox Virus (MPXV) IgG ELISA Kit (A29L)

CATALOG #
AAA120700

REACTIVITY
Monkeypox Virus (MPXV)

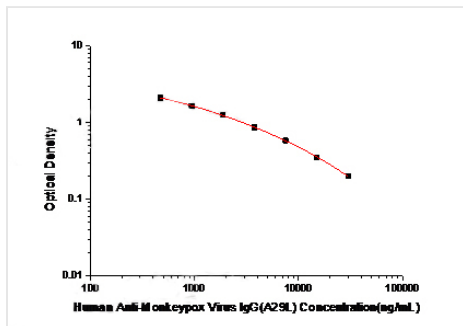
PRODUCT SYNONYMS

Monkeypox Virus (MPXV) IgG; Human Anti-Monkeypox Virus (MPXV) IgG ELISA Kit (A29L); A29L; Monkeypox virus/MPXV; A29; Mpox; A29L 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 A29L elisa kit	Principle of the Assay: This assay employs the quantitative competitive enzyme immunoassay technique. Recombinant Monkeypox virus A29L 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 (A29L) in the sample competitively binds to the pre-coated protein with biotin-labeled Human Anti-Monkeypox virus IgG (A29L). 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 (A29L) 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 (A29L) concentration in serum and plasma.
Product Categories/Family for A29L elisa kit	ELISA Kits
References	Three neutralizing mAbs induced by MPXV A29L protein recognizing different epitopes act synergistically against orthopoxvirus. PMID: 37288876 Monkeypox virus quadrivalent mRNA vaccine induces immune response and protects against vaccinia virus. PMID: 37117161 Rational development of multicomponent mRNA vaccine candidates against mpox. PMID: 36947428 Molecular detection and analysis of Sheeppox and Orf viruses isolated from sheep from Qalubia, Egypt. PMID: 27529993 Design peptide and multi-epitope protein vaccine candidates against monkeypox virus using reverse vaccinology approach: an in-silico study. PMID: 37154825

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.