

Rat Tumor type M2 Pyruvate Kinase ELISA Kit | M2-PK elisa kit

Rat Tumor type M2 Pyruvate Kinase ELISA Kit

CATALOG #
AAA82189

REACTIVITY
Rat

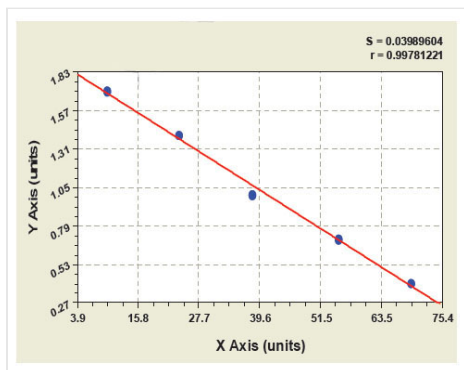
PRODUCT SYNONYMS

Tumor type M2 Pyruvate Kinase; Rat Tumor type M2 Pyruvate Kinase ELISA Kit; M2-PK elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Detection Range	2.5-50 U/mL
Sensitivity	0.1U/mL
Intended Uses	This M2-PK ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Rat M2-PK. This ELISA kit for research use only, not for therapeutic applications!
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for M2-PK elisa kit

Principle of the Assay: M2-PK ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-M2-PK antibody and an M2-PK-HRP conjugate. The assay sample and buffer are incubated together with M2-PK-HRP conjugate in pre-coated plate for one hour. After the incubation period, the wells are decanted and washed five times. The wells are then incubated with a substrate for HRP enzyme. The product of the enzyme-substrate reaction forms a blue colored complex. Finally, a stop solution is added to stop the reaction, which will then turn the solution yellow. The intensity of color is measured spectrophotometrically at 450nm in a microplate reader. The intensity of the color is inversely proportional to the M2-PK concentration since M2-PK from samples and M2-PK-HRP conjugate compete for the anti-M2-PK antibody binding site. Since the number of sites is limited, as more sites are occupied by M2-PK from the sample, fewer sites are left to bind M2-PK-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The M2-PK concentration in each sample is interpolated from this standard curve.

NCBI AND UNIPROT INFORMATION

NCBI GI #	193248604
Molecular Weight	5,790 Da
NCBI Official Full Name	M2-type pyruvate kinase, partial
UniProt Protein Name	M2-type pyruvate kinase
UniProt Gene Name	PKM
UniProt Entry Name	B3IVM6_EQUGR

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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com

Online datasheet: <https://stage.aaabiotech.com/m2-pk-rat-elisa-kits/tumor-type-m2-pyruvate-kinase/82189>