

Human Anti Muscle, Skeletal, receptor tyrosine kinase Antibody ELISA Kit | MUSK elisa kit

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CATALOG #
AAA95041

REACTIVITY
Human

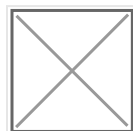
PRODUCT SYNONYMS

Anti Muscle; Skeletal; receptor tyrosine kinase Antibody; Human Anti Muscle; receptor tyrosine kinase Antibody ELISA Kit; MUSK elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of Musk-Ab. No significant cross-reactivity or interference between Musk-Ab and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between Musk-Ab and all the analogues, therefore, cross reaction may still exist in some cases.
Assay Type	Quantitative Competitive
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
Sensitivity	1.0 ng/mL
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for MUSK elisa kit

Principle of the Assay: Musk-Ab ELISA kit applies the competitive enzyme immunoassay technique utilizing a Musk antigen and an Musk-Ab-HRP conjugate. The assay sample and buffer are incubated together with Musk-Ab-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 Musk-Ab concentration since Musk-Ab from samples and Musk-Ab-HRP conjugate compete for the Musk antigen binding site. Since the number of sites is limited, as more sites are occupied by Musk-Ab from the sample, fewer sites are left to bind Musk-Ab-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The Musk-Ab concentration in each sample is interpolated from this standard curve.

Intended Uses: This Musk-Ab ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Human Musk-Ab. This ELISA kit for research use only, not for therapeutic or test applications!

NCBI AND UNIPROT INFORMATION

NCBI GI #

394933752

NCBI GeneID	18198
Molecular Weight	98,081 Da
NCBI Official Full Name	muscle, skeletal, receptor tyrosine kinase
NCBI Official Synonym Full Names	muscle, skeletal, receptor tyrosine kinase
NCBI Official Symbol	Musk
NCBI Official Synonym Symbols	Mlk; Mdk4; Nsk1; Nsk2; Nsk3
NCBI Protein Information	muscle, skeletal receptor tyrosine-protein kinase; muscle localized kinase 2; muscle-specific kinase receptor; muscle-specific protein kinase secretory isoform; muscle-specific tyrosine protein kinase receptor; muscle-specific tyrosine-protein kinase receptor; muscle, skeletal receptor tyrosine protein kinase
UniProt Protein Name	Muscle, skeletal receptor tyrosine-protein kinase
UniProt Gene Name	Musk
UniProt Synonym Gene Names	Nsk2; MuSK; Muscle-specific kinase receptor
UniProt Entry Name	MUSK_MOUSE

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/musk-human-elisa-kits/anti-muscle-skeletal-receptor-tyrosine-kinase-antibody/95041>