

Rat Integrin alpha-X ELISA Kit | ITGaX/CD11c elisa kit

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CATALOG #
AAA247297

REACTIVITY
Rat

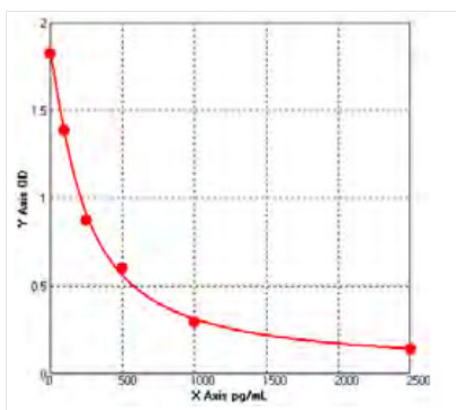
PRODUCT SYNONYMS

Integrin alpha-X; Rat Integrin alpha-X ELISA Kit; ITGaX/CD11c elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	This assay has high sensitivity and excellent specificity for detection of ITGalphaX. No significant cross-reactivity or interference between ITGalphaX and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between ITGalphaX and all the analogues, therefore, cross reaction may still exist in some cases.
Sequence Length	1169
Assay Type	Quantitative Competitive
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
Sensitivity	1.0 pg/mL
Preparation and Storage	Store at 2-8 degree C. The stability of kit is determined by the loss rate of activity. The loss rate of this kit is less than 5% within the expiration date under appropriate storage condition.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for ITGaX/CD11c elisa kit	Principle of the Assay: ITGalphaX ELISA kit applies the competitive enzyme immunoassay technique utilizing a polyclonal anti-ITGalphaX antibody and an ITGalphaX-HRP conjugate. The assay sample and buffer are incubated together with ITGalphaX-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 ITGalphaX concentration since ITGalphaX from samples and ITGalphaX-HRP conjugate compete for the anti-ITGalphaX antibody binding site. Since the number of sites is limited, as more sites are occupied by ITGalphaX from the sample, fewer sites are left to bind ITGalphaX-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The ITGalphaX concentration in each sample is interpolated from this standard curve. Intended Uses: This ITGalphaX ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Rat ITGalphaX. This ELISA kit for research use only, not for therapeutic or test applications!
Product Categories/Family for ITGaX/CD11c elisa kit	Signal Transduction; Immunology; Stem Cells

NCBI AND UNIPROT INFORMATION

NCBI GI #	556503454
NCBI GeneID	3687
NCBI Accession #	NP_001273304.1
NCBI GenBank Nucleotide #	NM_001286375.1
UniProt Accession #	P20702; Q8IVA6
Molecular Weight	127,829 Da
NCBI Official Full Name	integrin alpha-X isoform 1
NCBI Official Synonym Full Names	integrin subunit alpha X
NCBI Official Symbol	ITGAX
NCBI Official Synonym Symbols	CD11C; SLEB6
NCBI Protein Information	integrin alpha-X
UniProt Protein Name	Integrin alpha-X
UniProt Gene Name	ITGAX
UniProt Synonym Gene Names	CD11C

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.