

Rat Integrin Alpha M (ITGaM) ELISA Kit | ITGaM elisa kit

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CATALOG #
AAA140316

REACTIVITY
Rat

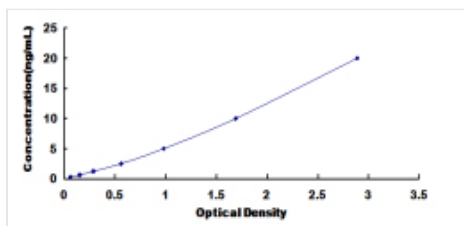
PRODUCT SYNONYMS

Integrin Alpha M (ITGaM); Rat Integrin Alpha M (ITGaM) ELISA Kit; CD11b; ITG-AM; CR3A; MAC-1; MAC1A; MO1A; Complement Component 3 Receptor 3 Subunit; Cell surface glycoprotein MAC-1 subunit alpha; Neutrophil adherence receptor; ITGaM elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	This assay has high sensitivity and excellent specificity for detection of Integrin Alpha M (ITGaM). No significant cross-reactivity or interference between Integrin Alpha M (ITGaM) and analogues was observed.
Sequence Length	1,153
Assay Type	Double-antibody Sandwich
Samples	Tissue homogenates, Cell lysates and other biological fluids
Detection Range	0.312-20ng/mL
Sensitivity	0.125ng/mL
Application	Enzyme-linked immunosorbent assay for Antigen Detection.
Intra-assay Precision (Precision within an assay)	3 samples with low, middle and high level Integrin Alpha M (ITGaM) were tested 20 times on one plate, respectively.
Inter-assay Precision (Precision between assays)	3 samples with low, middle and high level Integrin Alpha M (ITGaM) were tested on 3 different plates, 8 replicates in each plate.
CV(%) =	SD/meanX100
Intra-Assay	CV<10%
Inter-Assay	CV<12%
Preparation and Storage	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. To minimize extra influence on the performance, operation procedures and lab conditions, especially room temperature, air humidity, incubator temperature should be strictly controlled. It is also strongly suggested that the whole assay is performed by the same operator from the beginning to the end.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for ITGaM elisa kit	The test principle applied in this kit is Sandwich enzyme immunoassay. The microtiter plate provided in this kit has been pre-coated with an antibody specific to Integrin Alpha M (ITGaM). Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody specific to Integrin Alpha M (ITGaM). Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. After TMB substrate solution is added, only those wells that contain Integrin Alpha M (ITGaM), biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450nm ± 10nm. The concentration of Integrin Alpha M (ITGaM) in the samples is then determined by comparing the O.D. of the samples to the standard curve.
Product Categories/Family for ITGaM elisa kit	CD & Adhesion molecule; Tumor immunity; Infection immunity; Immune molecule

NCBI AND UNIPROT INFORMATION

NCBI GI #	88501734
NCBI GeneID	3684
NCBI Accession #	NP_000623.2
NCBI GenBank Nucleotide #	NM_000632.3
UniProt Accession #	P11215; Q4VAK0; Q4VAK1; Q4VAK2
Molecular Weight	127,307 Da
NCBI Official Full Name	integrin alpha-M isoform 2
NCBI Official Synonym Full Names	integrin, alpha M (complement component 3 receptor 3 subunit)
NCBI Official Symbol	ITGAM
NCBI Official Synonym Symbols	CR3A; MO1A; CD11B; MAC-1; MAC1A; SLEB6
NCBI Protein Information	integrin alpha-M
UniProt Protein Name	Integrin alpha-M
UniProt Gene Name	ITGAM
UniProt Synonym Gene Names	CD11B; CR3A
UniProt Entry Name	ITAM_HUMAN

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/rat-elisa-kits/integrin-alpha-m-itgam/140316>