

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

Rat Integrin Alpha M (ITGaM) ELISA Kit

CATALOG #
AAA67600

REACTIVITY
Rat

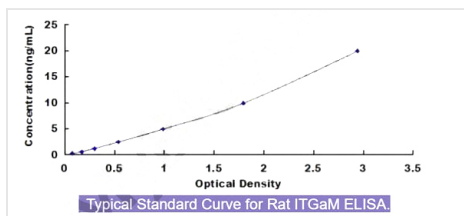
PRODUCT SYNONYMS

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 ITGaM. No significant cross-reactivity or interference between ITGaM and analogues was observed.
Sequence Length	1,151
Assay Type	Quantitative Sandwich
Samples	Rat tissue homogenates, cell lysates or other biological fluids
Detection Range	0.312-20ng/mL
Sensitivity	< 0.115ng/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level ITGaM were tested 20 times on one plate, respectively. Intra-Assay: CV<10%
Inter-assay Precision	Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level ITGaM were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%
Preparation and Storage	For unopened kit, all reagents should be kept according to the labels on vials. The TMB Substrate, Wash Buffer, Stop Solution should be stored at 4 degree C. All others should be stored at -20 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for ITGaM elisa kit	Principle of the Assay: The microtiter plate provided in this kit has been pre-coated with an antibody specific to ITGaM. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation specific to 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 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 ITGaM in the samples is then determined by comparing the O.D. of the samples to the standard curve. Intended Uses: The kit is a sandwich enzyme immunoassay for the in vitro quantitative measurement of ITGaM in rat tissue homogenates, cell lysates or other biological fluids.
---	--

NCBI AND UNIPROT INFORMATION

NCBI GeneID	25021
UniProt Accession #	G3V8L7
Molecular Weight	127,192 Da
NCBI Official Synonym Full Names	integrin subunit alpha M
NCBI Official Symbol	Itgam
NCBI Official Synonym Symbols	Cd11b
NCBI Protein Information	integrin alpha-M
UniProt Protein Name	Integrin alpha M
UniProt Gene Name	Itgam

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/rat-elisa-kits/integrin-alpha-m-itgam/67600>