

Rat Integrin Alpha 2 (ITGa2) ELISA Kit | ITGa2 elisa kit

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CATALOG #
AAA66395

REACTIVITY
Rat

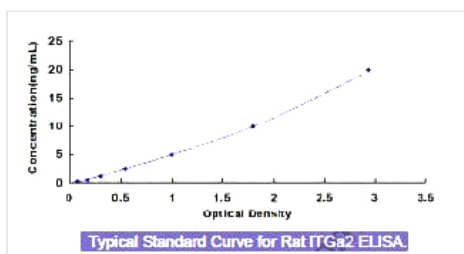
PRODUCT SYNONYMS

Integrin Alpha 2 (ITGa2); Rat Integrin Alpha 2 (ITGa2) ELISA Kit; NT5-E; CD73; E5NT; E5-NT; NTE; EN; ENT; ITGa2 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	This assay has high sensitivity and excellent specificity for detection of ITGa2. No significant cross-reactivity or interference between ITGa2 and analogues was observed.
Sequence Length	1178
Samples	Tissue homogenates and other biological fluids.
Assay Type	Sandwich
Detection Range	0.312-20ng/mL
Sensitivity	0.109ng/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level ITGa2 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 ITGa2 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 ITGa2 elisa kit	Intended Uses: The kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of ITGa2 in rat tissue homogenates and other biological fluids. Principle of the Assay: The microtiter plate provided in this kit has been pre-coated with an antibody specific to ITGa2. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation specific to ITGa2. 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 ITGa2, 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 ITGa2 in the samples is then determined by comparing the O.D. of the samples to the standard curve.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	109466064
NCBI GeneID	170921
NCBI Accession #	XP_001075558.1
NCBI GenBank Nucleotide #	XP_001075558.1
UniProt Accession #	A0A0G2K470
Molecular Weight	128,839 Da
NCBI Official Full Name	integrin alpha-2
NCBI Official Synonym Full Names	integrin alpha 2
NCBI Official Symbol	Itga2
NCBI Official Synonym Symbols	GP1a; CD49B; HPA-5
NCBI Protein Information	integrin alpha-2
UniProt Protein Name	Protein Itga2
UniProt Gene Name	Itga2

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.