

Cat ITGb1 (Integrin Beta 1) ELISA Kit | ITGb1 elisa kit

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CATALOG #
AAA277772

REACTIVITY
Cat

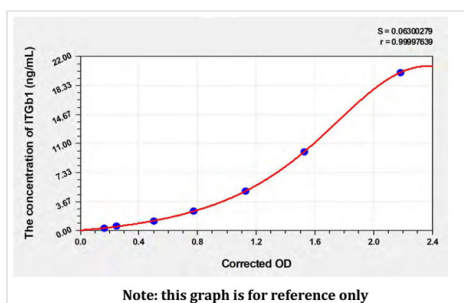
PRODUCT SYNONYMS

ITGb1 (Integrin Beta 1); Cat ITGb1 (Integrin Beta 1) ELISA Kit; CD29; MSK12; ITG-B1; FNRR; GPIIA; MDF2; VLAB; Fibronectin Receptor Beta Polypeptide; Antigen CD29 Includes MDF2; Glycoprotein IIa; VLA-4 subunit beta; ITGb1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Cat
Specificity	This assay has high sensitivity and excellent specificity for detection of Cat ITGb1. No significant cross-reactivity or interference between Cat ITGb1 and analogues was observed.
Assay Type	Sandwich
Detection Range	0.32-20 ng/mL
Sensitivity	0.18 ng/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay)? CV% < 8%. Three samples of known concentration were tested twenty times on 1 plate to assess intra-assay precision.
Inter-assay Precision	Inter-assay Precision (precision between assays)? CV% < 10%. Three samples of known concentration were tested in forty separate assays to assess inter-assay precision.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for ITGb1 elisa kit

Principle of the Assay: 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 Cat ITGb1. Standards or samples are added to the appropriate microtiter plate wells then with a biotin-conjugated antibody specific to Cat ITGb1. 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 Cat ITGb1, 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 Cat ITGb1 in the samples is then determined by comparing the OD of the samples to the standard curve.

NCBI AND UNIPROT INFORMATION

NCBI GI #	114326428
NCBI GeneID	751821
NCBI Accession #	NP_001041625.1
NCBI GenBank Nucleotide #	NM_001048160.2
UniProt Accession #	P53713
Molecular Weight	88,093 Da
NCBI Official Full Name	integrin beta-1
NCBI Official Symbol	ITGB1
NCBI Official Synonym Symbols	CD29
NCBI Protein Information	integrin beta-1
UniProt Protein Name	Integrin beta-1
UniProt Gene Name	ITGB1

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://www.aaabiotech.com/cat-elisa-kits/itgb1-integrin-beta-1/277772>