

Human integrin, alpha 2 (CD49B, alpha 2 subunit of VLA-2 receptor) ELISA Kit | ITGA2 elisa kit

Human Integrin alpha-2, ITGA2 ELISA Kit

CATALOG #
AAA112406

REACTIVITY
Human

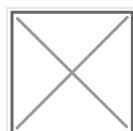
PRODUCT SYNONYMS

integrin; alpha 2 (CD49B; alpha 2 subunit of VLA-2 receptor); Human Integrin alpha-2; ITGA2 ELISA Kit; Human Integrin alpha-2 (ITGA2) ELISA kit; BR; CD49B; GPIa; VLA-2; VLAA2; integrin alpha 2; platelet antigen Br; platelet glycoprotein GPIa; platelet glycoprotein Ia; very late activation protein 2 receptor; alpha-2 subunit; ITGA2 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of human ITGA2. No significant cross-reactivity or interference between human ITGA2 and analogues was observed.
Sequence Length	1181
Samples	Serum, plasma, tissue homogenates
Assay Type	Quantitative Sandwich
Detection Range	0.235 ng/ml-15 ng/ml
Sensitivity	< 0.058 ng/ml
Intra-assay Precision	Intra-assay Precision (Precision within an assay): CV%<8%. Three samples of known concentration were tested twenty times on one plate to assess.
Inter-assay Precision	Inter-assay Precision (Precision between assays): CV%<10%. Three samples of known concentration were tested in twenty assays to assess.
Preparation and Storage	Unopened test kits should be stored at 2 to 8 degree C upon receipt. Please refer to pdf manual for further storage instructions.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for ITGA2 elisa kit

Principle of the Assay: This assay employs the quantitative sandwich enzyme immunoassay technique. Antibody specific for ITGA2 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any ITGA2 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for ITGA2 is added to the wells. After washing, avidin conjugated Horseradish Peroxidase (HRP) is added to the wells. Following a wash to remove any unbound avidin-enzyme reagent, a substrate solution is added to the wells and color develops in proportion to the amount of ITGA2 bound in the initial step. The color development is stopped and the intensity of the color is measured.

NCBI AND UNIPROT INFORMATION

NCBI GI #	116295258
NCBI GeneID	3673
NCBI Accession #	NP_002194.2
NCBI GenBank Nucleotide #	NM_002203.3
UniProt Accession #	P17301; Q14595
Molecular Weight	129,295 Da
NCBI Official Full Name	integrin alpha-2
NCBI Official Synonym Full Names	integrin, alpha 2 (CD49B, alpha 2 subunit of VLA-2 receptor)
NCBI Official Symbol	ITGA2
NCBI Official Synonym Symbols	BR; GPIa; CD49B; HPA-5; VLA-2; VLAA2
NCBI Protein Information	integrin alpha-2; collagen receptor; platelet antigen Br; platelet glycoprotein GPIa; VLA2 receptor, alpha-2 subunit; CD49 antigen-like family member B; platelet membrane glycoprotein Ia; human platelet alloantigen system 5; very late activation protein 2 receptor, alpha-2 subunit
UniProt Protein Name	Integrin alpha-2
UniProt Gene Name	ITGA2
UniProt Synonym Gene Names	CD49B; GPIa
UniProt Entry Name	ITA2_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/itga2-human-elisa-kits/integrin-alpha-2-cd49b-alpha-2-subunit-of-vla-2-receptor/112406>