

Human Integrin Alpha 2beta1 ELISA Kit | IG Alpha 2beta1 elisa kit

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CATALOG #
AAA82849

REACTIVITY
Human

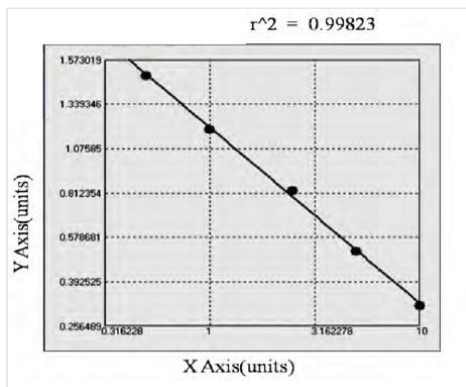
PRODUCT SYNONYMS

Integrin Alpha 2beta1; Human Integrin Alpha 2beta1 ELISA Kit; Human Integrin Alpha 2b1 ELISA Kit; IG Alpha 2beta1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Detection Range	0.5-10ng/mL
Sensitivity	0.1ng/mL
Intended Uses	This IG-alpha2beta1 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Human IG-alpha2beta1. This ELISA kit for research use only, not for therapeutic applications!
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for IG Alpha 2beta1 elisa kit	Principle of the Assay: IG-alpha2beta1 ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-IG-alpha2beta1 antibody and an IG-alpha2beta1-HRP conjugate. The assay sample and buffer are incubated together with IG-alpha2beta1-HRP conjugate in pre-coated plate for one hour. After the incubation period, the wells are decanted and washed five times. The wells are then incubated with a substrate for HRP enzyme. The product of the enzyme-substrate reaction forms a blue colored complex. Finally, a stop solution is added to stop the reaction, which will then turn the solution yellow. The intensity of color is measured spectrophotometrically at 450nm in a microplate reader. The intensity of the color is inversely proportional to the IG-alpha2beta1 concentration since IG-alpha2beta1 from samples and IG-alpha2beta1-HRP conjugate compete for the anti-IG-alpha2beta1 antibody binding site. Since the number of sites is limited, as more sites are occupied by IG-alpha2beta1 from the sample, fewer sites are left to bind IG-alpha2beta1-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The IG-alpha2beta1 concentration in each sample is interpolated from this standard curve.
Product Categories/Family for IG Alpha 2beta1 elisa kit	Signal Transduction

NCBI AND UNIPROT INFORMATION

NCBI GI #	116295258
NCBI GeneID	3673
NCBI Accession #	NP_002194.2
NCBI GenBank Nucleotide #	NM_002203.3
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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/ig-alpha-2beta1-human-elisa-kits/integrin-alpha-2beta1/82849>