

Human Integrin alpha5beta1 ELISA Kit | IG-a5beta1 elisa kit

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CATALOG #
AAA247179

REACTIVITY
Human

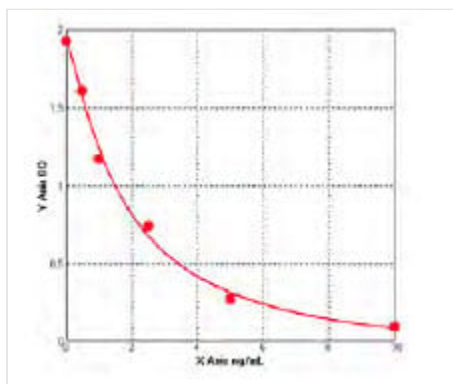
PRODUCT SYNONYMS

Integrin alpha5beta1; Human Integrin alpha5beta1 ELISA Kit; IG-a5beta1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of ITGA5B1. No significant cross-reactivity or interference between ITGA5B1 and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between ITGA5B1 and all the analogues, therefore, cross reaction may still exist in some cases.
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
Assay Type	Quantitative Competitive
Sensitivity	0.1 ng/mL

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for IG-a5beta1 elisa kit	Intended Uses: This ITGA5B1 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of HumanITGA5B1. This ELISA kit for research use only, not for therapeutic or test applications! Principle of the Assay: ITGA5B1 ELISA kit applies the competitive enzyme immunoassay technique utilizing a polyclonal anti-ITGA5B1 antibody and an ITGA5B1-HRP conjugate. The assay sample and buffer are incubated together with ITGA5B1-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 ITGA5B1 concentration since ITGA5B1 from samples and ITGA5B1-HRP conjugate compete for the anti-ITGA5B1 antibody binding site. Since the number of sites is limited, as more sites are occupied by ITGA5B1 from the sample, fewer sites are left to bind ITGA5B1-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The ITGA5B1 concentration in each sample is interpolated from this standard curve.
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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/ig-a5beta1-human-elisa-kits/integrin-alpha5beta1/247179>