

Human Dystroglycan (DAG1) ELISA Kit | DAG1 elisa kit

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CATALOG #
AAA244768

REACTIVITY
Human

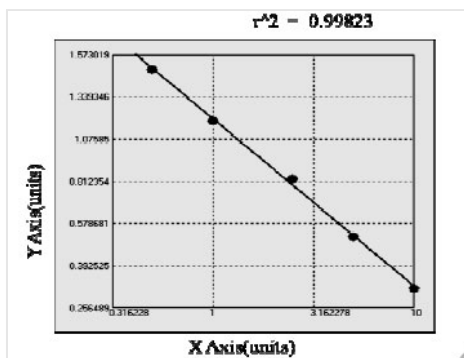
PRODUCT SYNONYMS

Dystroglycan (DAG1); Human Dystroglycan (DAG1) ELISA Kit; DAG1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of DAG1. No significant cross-reactivity or interference between DAG1 and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between DAG1 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
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for DAG1 elisa kit	Intended Uses: This DAG1 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Human DAG1. This ELISA kit for research use only, not for therapeutic or test applications! Principle of the Assay: DAG1 ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-DAG1 antibody and an DAG1-HRP conjugate. The assay sample and buffer are incubated together with DAG1-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 DAG1 concentration since DAG1 from samples and DAG1-HRP conjugate compete for the anti-DAG1 antibody binding site. Since the number of sites is limited, as more sites are occupied by DAG1 from the sample, fewer sites are left to bind DAG1-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The DAG1 concentration in each sample is interpolated from this standard curve.
Product Categories/Family for DAG1 elisa kit	Signal Transduction

NCBI AND UNIPROT INFORMATION

NCBI GI #	398026
NCBI GeneID	1605
Molecular Weight	97,441 Da
NCBI Official Full Name	dystroglycan
NCBI Official Synonym Full Names	dystroglycan 1 (dystrophin-associated glycoprotein 1)
NCBI Official Symbol	DAG1
NCBI Official Synonym Symbols	A3a; DAG; AGRNR; 156DAG; MDDGC7; MDDGC9
NCBI Protein Information	dystroglycan
UniProt Protein Name	Dystroglycan
UniProt Gene Name	DAG1
UniProt Synonym Gene Names	Alpha-DG; Beta-DG
UniProt Entry Name	DAG1_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/human-elisa-kits/dystroglycan-dag1/244768>