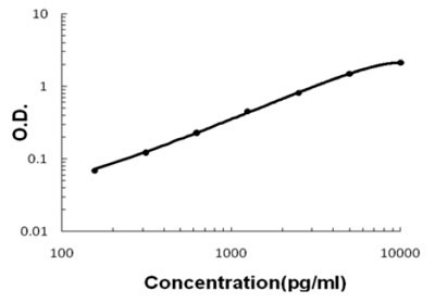
DAG1 (Human) ELISA Kit

Catalog # KA5218 Size 1 Kit

Applications



The standard curve is for the purpose of illustration only and should not be used to calculate unknowns. A standard curve should be generated each time the assay is performed.

Specification

Product Description	DAG1 (Human) ELISA Kit is a sandwich enzyme-linked immunosorbent assay for quantitative detecti on of human dystroglycan in cell culture supernates, serum, plasma (heparin, EDTA), saliva and urine .
Suitable Sample	Cell culture supernates, serum, plasma (heparin, EDTA), saliva and urine
Sample Volume	100 uL
Label	HRP-conjugated
Detection Method	Colorimetric
Assay Type	Quantitative
Calibration Range	156 to 10000 pg/mL
Reactivity	Human
Regulatory Status	For research use only (RUO)
Quality Control Testing	Standard curve The standard curve is for the purpose of illustration only and should not be used to calculate unknown s. A standard curve should be generated each time the assay is performed.

Storage Instruction	Store at 4°C for six months. For long term storage store at -20°C. Avoid repeated freezing and thawing.

Applications

- Quantification

Gene Info — DAG1

Entrez GeneID	1605
Gene Name	DAG1
Gene Alias	156DAG, A3a, AGRNR, DAG
Gene Description	dystroglycan 1 (dystrophin-associated glycoprotein 1)
Omim ID	128239
Gene Ontology	Hyperlink
Gene Summary	Dystroglycan is a laminin binding component of the dystrophin-glycoprotein complex which provides a linkage between the subsarcolemmal cytoskeleton and the extracellular matrix. Dystroglycan 1 is a candidate gene for the site of the mutation in autosomal recessive muscular dystrophies. The dramatic reduction of dystroglycan 1 in Duchenne muscular dystrophy leads to a loss of linkage between the sarcolemma and extracellular matrix, rendering muscle fibers more susceptible to necrosis. Dystroglycan also functions as dual receptor for agrin and laminin-2 in the Schwann cell membrane. The muscle and nonmuscle isoforms of dystroglycan differ by carbohydrate moieties but not protein sequence. Alternative splicing results in multiple transcript variants
Other Designations	alpha-dystroglycan|beta-dystroglycan|dystroglycan 1|dystrophin-associated glycoprotein-1

Pathway

- Arrhythmogenic right ventricular cardiomyopathy (ARVC)
- ECM-receptor interaction
- Hypertrophic cardiomyopathy (HCM)

Disease

- Bronchopulmonary Dysplasia
- Cardiovascular Diseases
- Crohn Disease
- Diabetes Mellitus
- Edema
- Genetic Predisposition to Disease
- Schizophrenia