

Alpha-Galactosidase A (GLA)

Product Information

Cat#	DIA-611
Descriptions	Alpha-Galactosidase A (GLA) specifically catalyzes the hydrolysis of alpha-linked galactoside bonds, involved in glycolipid metabolism and widely used in related disease mechanism and enzyme activity research.
Applications	Alpha-Galactosidase A (GLA) is widely applied in lysosomal storage disease enzyme activity detection kits and glycometabolism abnormality assay reagent development.
CAS No.	32-1-2248
Enzyme Commission Number	EC 3.2.1.22
Enzyme Source	Chinese Hamster Ovary cell line, CHO-derived human alpha-Galactosidase A/GLA protein.
Reaction	Hydrolysis of terminal, non-reducing alpha-D-galactose residues in alpha-D-galactosides, including galactose oligosaccharides, galactomannans and galactolipids. globoside Gb3Cer (d18:1 (4E)) + H ₂ O = a beta-D-Gal- (1->4)-beta-D-Glc- (1->1)-Cer (d18:1 (4E)) + D-galactose
Activity Definition	Measured by its ability to hydrolyze 4-methylumbelliferyl-alpha -D-galactopyranoside.