ARG82182
alpha Mannosidase Activity Assay Kit (Colorimetric)

Package: 100 tests
Store at: 4°C

Summary

Product Description	ARG82182 alpha Mannosidase Activity Assay Kit (Colorimetric) can be used to measure alpha Mannosidase activity in serum, plasma, tissue and cell culture supernatants.
Tested Reactivity	Hu, Ms, Rat, All
Tested Application	FuncSt
Target Name	alpha Mannosidase
Conjugation Note	Read at 405 nm
Sensitivity	1 U/L
Detection Range	1 - 250 U/L
Sample Type	serum, plasma, tissue and cell culture supernatants
Sample Volume	10 µl
Alternate Names	Mannosidase alpha class 2A member 1; AMan II; Golgi alpha-mannosidase II; MANA2; Alpha-mannosidase 2; Man II; GOLIM7; Mannosyl-oligosaccharide 1,3-1,6-alpha-mannosidase; MANII; EC 3.2.1.114

Application Instructions

Application Note	Please note that this kit does not include a microplate.
Assay Time	10 min

Properties

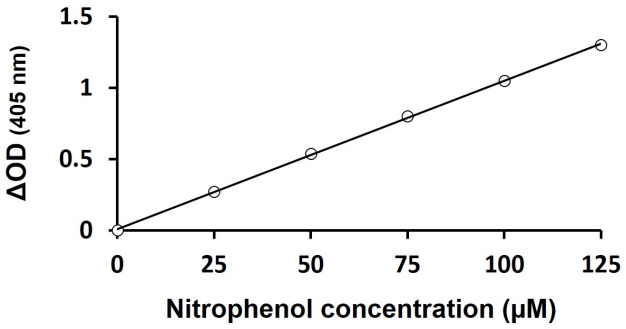
Form	Liquid
Storage instruction	Store the kit at 2-8°C. Do not expose test reagents to heat, sun or strong light during storage and usage. Please refer to the product user manual for detail temperatures of the components.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

Gene Symbol	MAN2A1
Gene Full Name	mannosidase, alpha, class 2A, member 1
Background	This gene encodes a glycosyl hydrolase that localizes to the Golgi and catalyzes the final hydrolytic step in the asparagine-linked oligosaccharide (N-glycan) maturation pathway. Mutations in the mouse homolog of this gene have been shown to cause a systemic autoimmune disease similar to human systemic lupus erythematosus. [provided by RefSeq, Dec 2013]
Function	Catalyzes the first committed step in the biosynthesis of complex N-glycans. It controls conversion of high mannose to complex N-glycans; the final hydrolytic step in the N-glycan maturation pathway. [UniProt]

Cellular Localization	Golgi apparatus membrane; Single-pass type II membrane protein. [UniProt]

Images



ARG82182 alpha Mannosidase Activity Assay Kit (Colorimetric) typical data demonstration image

ARG82182 alpha Mannosidase Activity Assay Kit (Colorimetric) results of a typical data with optical density reading at 405 nm.