Data Sheet (Cat.No.T205267)

TargetMol

Concanavalin A-HRP

Chemical Properties

CAS No. :

Formula:

Molecular Weight:

Storage: Keep away from direct sunlight,
Powder: -20°C for 3 years | In solvent: -80°C for 1 year
Actual storage temperature shall be subject to the COA.

Biological Description

Description	Concanavalin A-HRP (Con A-HRP) is an HRP-labeled version of Concanavalin A. Concanavalin A-HRP is a Ca2+/Mn2+ dependent lectin that binds mannose/glucose and is utilized in glycoprotein profiling research, particularly in studies of N- and O-glycosylated proteins in head and neck cancer cell models and glycosylation-dependent molecular interactions.
Targets(IC50)	Others
In vitro	Methods: Western blot assay was performed after incubation with 1:100 diluted Concanavalin A-HRP for 2 hours. The conjugate was also applied for cell labeling and electron microscopic staining to observe cellular staining characteristics and distinguish tumor subtypes. Results: Concanavalin A-HRP specifically recognized and stained glycoproteins containing α-D-mannopyranosyl and high-mannose glycan chains [1]. It labeled diverse intracellular structures and secretory granules of pituitary adenoma cells, and served as an electron microscopic staining reagent to identify sugar residues for subtype classification of pituitary adenoma [2].

Reference

Eric E. Snyder, et al. Western Blotting with a Concanavalin A-Horseradish Peroxidase Conjugate. Biochemical Education. 1990. Vol. 18, No. 3, pp. 147-148.
Hori T, et al. Localization of concanavalin A binding sites in human pituitary adenoma cells as revealed by HRP-labelling method. Acta Neuropathol. 1983;62(1-2):59-66.