Artocarpus integrifolia Lectin (AIA) - HRP (Horseradish Peroxidase)

CD BioSciences
Plant Protein

Cat *PL00108*

Size *1 mg*

Sugar Specificity
Galβ3GalNAc

Description
A tetramer double chain structure composed of 4 identical propolymers is obtained by affinity chromatography with an isoelectric pH of 7.8. The lectin is specific to blood type O (+SA) and t. Jacalin is considered a galactose-specific lectin that can be eluted with galactose or glycodisaccharide. Jacalin's post-translational proteolytic modification gives lectin a new carbohydrate binding site involving the N end of the α-chain. The structure of this protein explains its carbohydrate binding specificity for the t antigen disaccharide galß 1,3galnac. Effective inhibitors of jacalin include D-galactose, ß-Met-Gal and 2-deoxy-α-d-galactose. Horseradish peroxidase (HRP) is a 40 kDa protein that catalyzes substrate oxidation by hydrogen peroxide to produce colored or fluorescent products or release light as a byproduct of the reaction. It is most commonly used in western blotting, immunoassays, and immunohistochemical methods.

Abbreviation
AIA

Material Source
Jacalin

Conjugate
Horseradish Peroxidase (HRP)

Concentration
1 mg/mL

Purity
High Purity Grade

Shelf Life
1 year

Blood Group Specificity
Non-specific

Sugar Specificity
Galβ3GalNAc

Inhibiting or Eluting Sugar
Galactose or Melibiose

Divalent Ions
None Required

Mitogenic Activity
Yes

Format
Liquid

Address: SUITE 209, 17 Ramsey Road, Shirley, NY 11967
Tel: 1-631-637-0420
E-mail: info@cd-biosci.com
https://www.cd-biosciences.com/plant-protein/

Artocarpus integrifolia Lectin (AIA) - HRP (Horseradish Peroxidase)

CD BioSciences
Plant Protein

Cat *PL00108*

Size *1 mg*

Storage

2-8°C

Hazardous Shipping

Non-hazardous

Address: SUITE 209, 17 Ramsey Road, Shirley, NY 11967
Tel: 1-631-637-0420
E-mail: info@cd-biosci.com
https://www.cd-biosciences.com/plant-protein/