

ZW00007

JIM7 Antibody for Plant



500µl;1ml

|                |                                      |
|----------------|--------------------------------------|
| <b>Order</b>   | 021-34695924<br>orders@ab-mart.com   |
| <b>Support</b> | 400-6123-828<br>support1@ab-mart.com |
| <b>Web</b>     | www.ab-mart.com.cn                   |

**Antibody Name :** JIM7

**References:**

Arabidopsis inflorescence stem expansion glycoprofiling

**Isotype :** IgA

**Antibody Type :** Monoclonal

**Source :** Rat

**Application**

IHC/IF

IF 1:100-1:1000; IHC 1:10-1:50

**Immunogen:**

Protoplasts prepared from suspension-cultured cells

**Antigen:**

Homogalacturonan

(partially methyl-esterified)

**Comments :** Carrot (*Daucus carota*)

**Form :** Hybridoma supernatant

**Storage:**

Store at 4°C. Stable for 12 months from date of receipt

**Epitope Structure for Carbohydrate Antigen:**

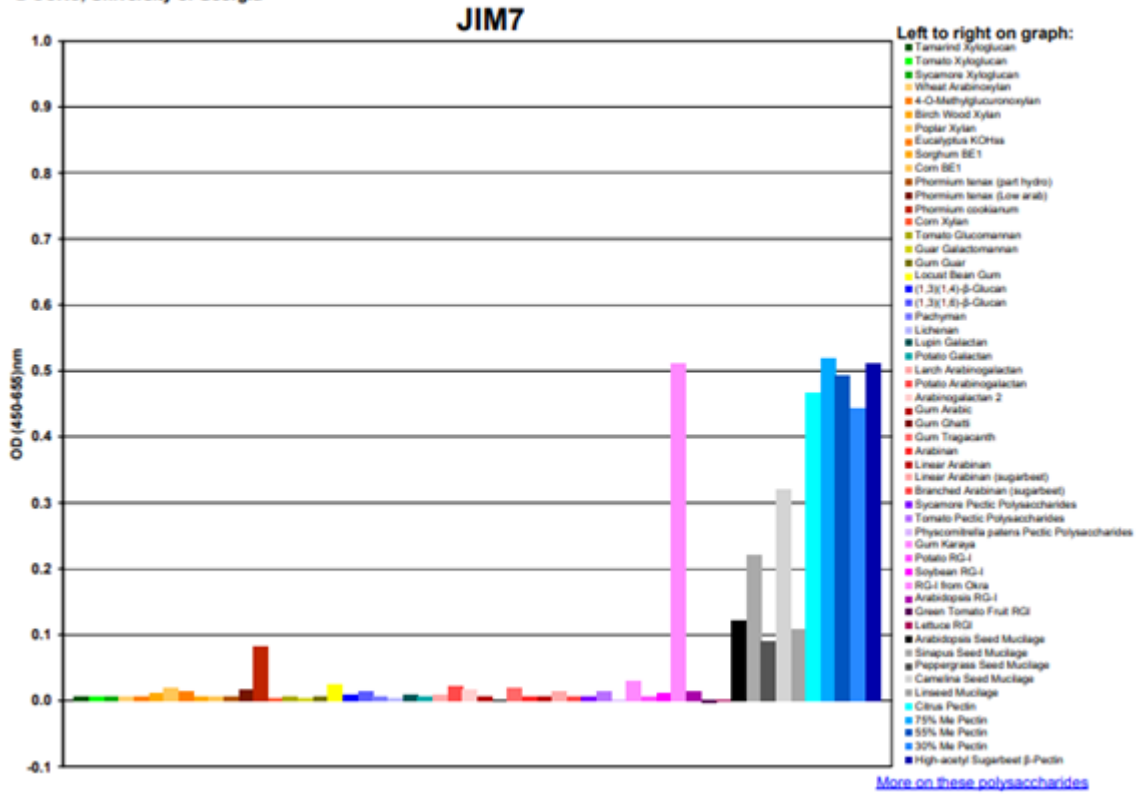
GalA1-gt;4MeGalA1-gt;4MeGalA1-gt;4MeGalA1-gt;4MeGalA1-gt;4GalA

**Comments:**

JIM7 binds to a relatively heavily methylesterified epitope found in cell walls of diverse species. The epitope structure shown is the most efficient competitor identified. Other competitors that are almost equally effective are: GalA1-gt;4GalA1-gt;4MeGalA1-gt;4MeGalA1-gt;4MeGalA1-gt;4GalA and MeGalA1-gt;4GalA1-gt;4MeGalA1-gt;4GalA1-gt;4MeGalA1-gt;4GalA.

**Supplier Name :** PlantProbes

**Comments:**



## References:

J.P. Knox, P.J. Linstead, J. King, C. Cooper, and K. Roberts. (1990) Pectin esterification is spatially regulated both within cell walls and between developing tissues of root apices. *Planta* 181:512-521.

W.G.T. Willats, G. Limberg, H.C. Buchholt, G.-J. Van Alebeek, J. Benen, T.M.I.E. Christensen, J. Visser, A. Voragen, J.D. Mikkelsen, and J.P. Knox. (2000) Analysis of pectic epitopes recognised by hybridoma and phage display monoclonal antibodies using defined oligosaccharides, polysaccharides, and enzymatic degradation. *Carbohydr.Res.* 327:309-320, 2000.

M.H. Clausen, W.G.T. Willats, and J.P. Knox. (2003) Synthetic methyl hexagalacturonate hapten inhibitors of anti-homogalacturonan monoclonal antibodies LM7, JIM5 and JIM7. *Carbohydr.Res.* 338:1797-1800, 2003.

## More Comments:

<http://glycomics.crc.uga.edu/wall2/jsp/abdetails.jsp?abnumber=14&abname=LM20>