www.vectorlabs.com
Email: customerservice@vectorlabs.com
Telephone: (650) 697-3600

WHEAT GERM AGGLUTININ (WGA), UNCONJUGATED

SKU: L-1020

DESCRIPTION

The receptor sugar for WGA is *N*-acetylglucosamine, with preferential binding to dimers and trimers of this sugar. WGA can bind oligosaccharides containing terminal *N*-acetylglucosamine or chitobiose, structures which are common to many serum and membrane glycoproteins. Bacterial cell wall peptidoglycans, chitin, cartilage glycosaminoglycans, and glycolipids can also bind WGA. Native WGA has also been reported to interact with some glycoproteins via sialic acid residues (see succinylated WGA).

SPECIFICATIONS

Molecular Weight	36
Extinction Coefficient	1.46
Inhibiting or Eluting Sugar	GlcNAc or Chitin Hydrolysate

For research use only. Not intended for therapeutic or diagnostic use in animals or humans.

Unit Size	10 mg, 25 mg
Storage Instructions	2-8 °C
Sugar Specificity	Terminal GlcNAc-β, terminal GlcNAc-a and terminal N-acetyl-containing glycans
Usage Summary	Although many buffers can be employed for reconstituting and diluting this lectin, 10 mM HEPES buffered saline, pH 8.5, 0.1 mM CaCl2is recommended. For preserving solutions stored at 4 ºC, 0.08% sodium azide can be used.
Applications	Immunohistochemistry, Immunofluorescence
Conjugate	Unconjugated

TECHNICAL INFORMATION

Wheat germ agglutinin (WGA) contains a group of closely related isolectins, with an isoelectric point about pH 9. This lectin is used for the purification of insulin receptors and for neuronal tracing.

Inhibiting/Eluting Sugar: Chitin Hydrolysate or 500 mM *N*-acetylglucosamine with salt and/or acid elution generally required

CITATIONS

DOCUMENTS

- Safety Data Sheet
- Lectins in Histochemistry, ELISA, and Western Blot Applications
- Download CoA
- Datasheet

www.vectorlabs.com
Email: customerservice@vectorlabs.com
Telephone: (650) 697-3600

GALLERY IMAGES

For research use only. Not intended for therapeutic or diagnostic use in animals or humans.