



WHEAT GERM AGGLUTININ (WGA), PEROXIDASE

SKU: PL-1026-2



DESCRIPTION

Peroxidase conjugated Wheat Germ Agglutinin is specially prepared for neuronal transport studies. This product is supplied as 40 mg/ml of protein in a 2 mg package ready for injection. After tissue preparation, detection can be readily achieved with a peroxidase substrate.

SPECIFICATIONS

Molecular Weight	36
Extinction Coefficient	1.46
Inhibiting or Eluting Sugar	GlcNAc or Chitin Hydrolysate
Unit Size	2 mg
Sugar Specificity	Terminal GlcNAc- β , terminal GlcNAc-a and terminal N-acetyl-containing glycans

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



Applications	Immunohistochemistry / Immunocytochemistry, Blotting Applications, ELISAs, Glycobiology
Conjugate	Peroxidase
Safety Title	WARNING: Cancer – www.P65Warnings.ca.gov

TECHNICAL INFORMATION

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

WGA-HRP can be used for both anterograde and retrograde tracing. Our peroxidase-wheat germ agglutinin is specially prepared for neuronal transport studies. WGA-peroxidase features a high concentration of protein and is supplied in a 2 mg package at 40 mg/ml ready for injection. Unconjugated wheat germ agglutinin, also used in neuronal studies is available as 10 mg and 25 mg of salt-free, lyophilized lectin.

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

CITATIONS



Powered by Bioz © 2023 See more details on Bioz

DOCUMENTS

- [Safety Data Sheet](#)
- [Download CoA](#)
- [Datasheet](#)

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



www.vectorlabs.com

Email: customerservice@vectorlabs.com

Telephone: [\(650\) 697-3600](tel:(650)697-3600)

GALLERY IMAGES



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

[Wheat Germ Agglutinin \(WGA\), Peroxidase](https://vectorlabs.com/products/ Peroxidase-conjugated-wheat-germ-agglutinin/)

<https://vectorlabs.com/products/ Peroxidase-conjugated-wheat-germ-agglutinin/>