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Produktinformation



Forschungsprodukte & Biochemikalien



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Diagnostik & molekulare Diagnostik



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See the following pages for more information!



Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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WGA Lectin

Cat No. GTX01500

Application	Conjugation, Puri
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Package	1 mg
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PRODUCT

Product Description

Wheat germ agglutinin (WGA) (MW 36 kDa) is a dimeric, carbohydrate-free protein composed of two identical subunits. The amino acid sequence provides a figure of 21,600, based on 171 amino acids per polypeptide chain. The protein dissociates into monomers in acidic media, pK of the reaction 4. The receptor sugar for WGA is N-acetyl glucosamine (GlcNAc), GlcNAc β 14GlcNAc. These structures are present in many serum and membrane glycoproteins, bacterial cell wall peptidoglycans, chitin, cartilage glycosaminoglycans and glycolipids. Native WGA also react with glycoproteins with sialic acid residue. This lectin is useful for the purification of insulin receptors, serum proteins and neuronal tracing. The carbohydrate-binding specificity of WGA has been studied by variety of techniques, such as hapten inhibition of hemagglutination and specific precipitation of glycoconjugate, changes in fluorescence of the lectin (intrinsic) or of chromatogenic ligands (extrinsic), equilibrium dialysis, NMR and x-ray diffraction.

APPLICATION

Specificity/Sensitivity	N-acetyl glucosamine (GlcNAc)
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PROPERTIES

Form	Liquid
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Buffer	10 mM phosphate, 150 mM NaCl, 0.1 mM Calcium chloride (pH 7.6) and 0.05% sodium azide.
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Storage	Store as concentrated solution. Centrifuge briefly prior to opening vial. Store at 4° C.
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Concentration	5 mg/ml (Please refer to the vial label for the specific concentration.)
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Conjugation	Unconjugated
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Note	For laboratory use only. Not for any clinical, therapeutic, or diagnostic use in humans or animals. Not for animal or human consumption.
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For full product information, images and publications, please visit our [website](#).