SZABO SCANDIC

Part of Europa Biosite

Produktinformation

- Forschungsprodukte & Biochemikalien
- Zellkultur & Verbrauchsmaterial
- Diagnostik & molekulare Diagnostik
- Laborgeräte & Service

Weitere Information auf den folgenden Seiten!
See the following pages for more information!

Lieferung & Zahlungsart

siehe unsere Liefer- und Versandbedingungen

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

SZABO-SCANDIC HandelsgmbH

Quellenstraße 110, A-1100 Wien

T. +43(0)1 489 3961-0

F. +43(0)1 489 3961-7

mail@szabo-scandic.com

www.szabo-scandic.com

linkedin.com/company/szaboscandic

Wheat Germ Agglutinin (WGA), Agarose bound

AL-1023

Product Images

Short Description

Agarose bound *Wheat germ agglutinin* (WGA) is prepared using 4% agarose beads. 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.

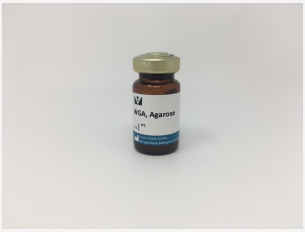
Features:

- Bead diameter ranges in size from 45-165 microns
- Matrix is stable in solutions at pH 3-11 as well as many organic solvents
- Immobilized lectins are prepared using affinity purified lectins
- Covalent attachment preserves lectin activity and minimizes conformational changes that might result in nonspecific or hydrophobic interactions
- Conjugated proteins are not leached off the beads by Tris or other routinely used buffers
- No residual charges present after conjugation. This minimizes non-specific binding to the matrix
- Product supplied as a 1:1 suspension in buffer

Additional Information

Unit Size	2 ml, 5 ml, 10 ml
Applications	Glycobiology, Affinity Chromatography
Recommended Storage	2-8 °C DO NOT FREEZE
Solution	10 mM HEPES, pH 7.5, 0.15 M NaCl, 20 mM GlcNAc, 0.08% sodium azide
Recommended Usage	Wash gel thoroughly with buffer before use to remove sugar added to stabilize the lectin. Recommended product for eluting glycoconjugates bound to this agarose-lectin: Glycoprotein Eluting solution, Cat. No. ES-5100. Alternately, 0.5 M N-Acetyl-D-Glucosamine or Chitin Hydrolysate (Cat. No. SP-0090) can be used.For those glycoconjugates having very high affinity for WGA, it may be necessary to lower the pH of the eluting sugar solution to pH 3.0 with acetic acid. After use, wash the gel with several column volumes of buffered saline, then resuspend gel in buffered saline containing 0.08% sodium azide for storage.
Matrix Conjugate	Lectins
Sugar Specificity	N-Acetylglucosamine
Conjugate	Agarose

Products in this set



Wheat Germ Agglutinin (WGA), Agarose bound

Features:

• Matrix is heat stable, cross-linked 4% agarose beads with a molecular exlusion of about $2x10^7$ daltons
• Bead diameter ranges in size from 45-165 microns
• Matrix is stable in solutions at pH 3-11 as well as many organic solvents
• Immobilized lectins are prepared using affinity purified lectins
• Covalent attachment preserves lectin activity and minimizes conformational changes that might result in nonspecific or hydrophobic interactions
• Hydrophilic spacer arm is inserted between the lectin and the matrix
• Conjugated proteins are not leached off the beads by Tris or other routinely used buffers
• No residual charges present after conjugation. This minimizes non-specific binding to the matrix
• Product supplied as a 1:1 suspension in buffer
• 7 mg lectin/ml gel
• Inhibiting/Eluting Sugar: Chitin Hydrolysate; or 500 mM *N*-acetylglucosamine with salt and/or acid elution generally required; or Glycoprotein Eluting Solution (ES-5100)

Wheat Germ Agglutinin (WGA), Agarose bound

Features:

• Matrix is heat stable, cross-linked 4% agarose beads with a molecular exlusion of about $2x10^7$ daltons
• Bead diameter ranges in size from 45-165 microns
• Matrix is stable in solutions at pH 3-11 as well as many organic solvents
• Immobilized lectins are prepared using affinity purified lectins
• Covalent attachment preserves lectin activity and minimizes conformational changes that might result in nonspecific or hydrophobic interactions
• Hydrophilic spacer arm is inserted between the lectin and the matrix
• Conjugated proteins are not leached off the beads by Tris or other routinely used buffers
• No residual charges present after conjugation. This minimizes non-specific binding to the matrix
• Product supplied as a 1:1 suspension in buffer
• 7 mg lectin/ml gel
• Inhibiting/Eluting Sugar: Chitin Hydrolysate; or 500 mM *N*-acetylglucosamine with salt and/or acid elution generally required; or Glycoprotein Eluting Solution (ES-5100)

Wheat Germ Agglutinin (WGA), Agarose bound

Features:

• Matrix is heat stable, cross-linked 4% agarose beads with a molecular exlusion of about $2x10^7$ daltons
• Bead diameter ranges in size from 45-165 microns
• Matrix is stable in solutions at pH 3-11 as well as many organic solvents
• Immobilized lectins are prepared using affinity purified lectins
• Covalent attachment preserves lectin activity and minimizes conformational changes that might result in nonspecific or hydrophobic interactions
• Hydrophilic spacer arm is inserted between the lectin and the matrix
• Conjugated proteins are not leached off the beads by Tris or other routinely used buffers
• No residual charges present after conjugation. This minimizes non-specific binding to the matrix
• Product supplied as a 1:1 suspension in buffer
• 7 mg lectin/ml gel
• Inhibiting/Eluting Sugar: Chitin Hydrolysate; or 500 mM *N*-acetylglucosamine with salt and/or acid elution generally required; or Glycoprotein Eluting Solution (ES-5100)