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STREPTAVIDIN

SKU: SA-5010-2



DESCRIPTION

Agarose Streptavidin (SA-5010) can be used to separate biotinylated macromolecules from unbiotinylated materials or for solid phase binding assays.

Features:

• Biotin binding activity of the streptavidin optimally preserved through proprietary coupling procedure
• Low non-specific binding activity of gel
• Protein concentration is 1 mg streptavidin per ml of settled agarose beads
• Supplied as a 1:1 suspension in buffer
• Binding capacity is approximately 1 mole biotinylated HRP per mole streptavidin

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SPECIFICATIONS

Formulation	10 mM HEPES, pH 7.5, 0.15 M NaCl, 0.08% sodium azide.
Label Modifier Type	Streptavidin
Unit Size	2 ml
Storage Instructions	2-8 °C, DO NOT FREEZE
Usage Summary	Wash gel thoroughly with buffer before use.
Applications	Affinity Chromatography
Concentration	1 mg/ml of settled gel

TECHNICAL INFORMATION

Agarose Streptavidin (SA-5010) is prepared by conjugating streptavidin to heat stable, cross-linked 4% agarose gel beads. To ensure minimal steric interference and low nonspecific binding, streptavidin is conjugated through a hydrophilic spacer arm. The procedure we have developed for coupling streptavidin to agarose preserves the biotin binding activity of the streptavidin. Unlike cyanogen bromide coupling, our procedure does not produce conjugates which can be leached from the gel with solutes such as Tris buffer. Our procedure also does not generate charged groups on the gel that can bind proteins nonspecifically.

CITATIONS

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DOCUMENTS

- Safety Data Sheet
- Download CoA
- Datasheet

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