ALPHA DIAGNOSTIC INTERNATIONAL

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Product Specification Sheet

E. coli Proteins Agarose

Cat # EC11-G E. coli proteins-Agarose (affinity matrix) **SIZE**: 1 ml

Recombinant proteins are very often expressed in E. coli and then purified for further studies or injected into animals to produce antibodies. One or more bacterial proteins very often contaminate the purified proteins. Antibodies are also produced to these minor contaminants. This may give non-specific signals in various immunoassays. Anti-E coli protein antibodies can be removed by solid phase immunoaffinity column chromatography over the E. coli Agarose.

Source

The E coli proteins were extracted from 3 E. coli strains (TG-1, Xl-1, and DH-57) coupled to CNBR-activated Sepharose 4B

Form & Storage

The product is supplied as 1 ml settled gel in 1 ml of 0.01 PBS, pH 7.4 and 0.1% sodium azide.

Do not freeze. Store at 4oC.

Binding capacity

Process 1 ml of high titer antiserum or 10 mg IgG over 1 ml of E. coli proteins-Agarose. The unbound fraction may be re-processed if necessary. The column can be used many times following standard binding, elution, and regeneration conditions.

We recommend processing approx. 1-5 ml antiserum per 1 ml of the beads or it can be scaled up accordingly. Load antiserum diluted 1:5 in PBS to adsorb anti-Ovalbumin at room temp. Collect unbound fraction containing Ovalbumin-depleted antiserum. It may be necessary to repeat this adsorption if the sample contain high concentrations of ant-Ovalbumin.

The column can be regenerated by passing 3 mls of 0.1M Glycine buffer, pH 2.5, and then immediately washing with PBS pH 7.4 with 10-20 volumes. Store column in PBS containing 0.05% azide at 4oC. DO NOT FREEZE the beads at any stage.

General References:

1. De Wet, j et al (1984) DNA 3, 437

Other Fusion tag antibodies available from ADI

Anti-MBP, Poly-His, GST, beta-Gal, VSV-G, Flag, HA-tag, and c-myc

Anti-Rabbit IgG-HRP Conjugate and ECL Reagents

Western Blot Recycling Kit (Strips blots in 5 minutes) and re-use the same blot with multiple antibodies

EC11-G 71215A

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