

HighSpec Rho1D4 Agarose

#Cat : NB-40-00031-1ml Size : 1ml
#Cat : NB-40-00031-5ml Size : 5ml
#Cat : NB-40-00031-10ml Size : 10ml
#Cat : NB-40-00031-50ml Size : 50ml

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| Description | HighSpec Rho1D4 Agarose is a protein purification resin coupled with an anti-Rho1D4 antibody. The Agarose can be used for affinity purification of proteins with the Rho1D4-tag (protein sequence TETSQVAPA). |
| Support | 6% agarose, highly cross-linked |
| Form | 50% suspension in 20 mM sodium acetate with 20% ethanol, pH 6.6 (e.g. 10 ml will be 5 ml settled resin + 5 ml storage buffer) |
| Bead size | 50-150 μm , spherical |
| Size exclusion limit | 4 x 10 ⁶ Da |
| Binding capacity | 3 mg protein/ml resin. Binding capacity was determined with a 150 kDa Rho1D4-tagged membrane protein. Please note that the binding capacity is protein dependent. |
| Maximum pressure | ≥ 300 kPa (at 15 cm bed height) |
| Maximum flow rate | ≥ 1000 cm/h (at 15 cm bed height) |
| Application | The suspension can be used for packing of gravity flow columns since the resin is optimized for column affinity chromatography, rather than for batch purification. To pack a column with 1 ml resin bed volume, 2 ml 50% suspension are necessary. Elution can be performed by application of Rho1D4 peptide containing buffer. |
| Stability | 2 years after shipping |
| Storage | 2-8 °C. Short-term: in neutral buffer (e.g. 50 mM phosphate, pH 7.0); Long-term: in 20 mM sodium acetate with 20% ethanol, pH 6.6 |
| Shipping | Blue Ice |
| Hazards | Product is not classified as hazardous according to (EC) No 1272/2008 [CLP]. A Material Safety Data Sheet is provided. |
| Manufacturer | Neo-Biotech |

For research use only