Ni-NTA Agarose

WEB: www.abclonal.com

Catalog: AS045

◆ Introduction

Ni-NTA Agarose is designed for purification of recombinant polyhistidine-tagged proteins from bacteria, insect, and mammalian cells. Ni-NTA Agarose exhibit high affinity and selectivity for polyhistidine-tagged fusion proteins, and allow protein purification under native or denaturing conditions.

◆ Characteristics

Support	**6% highly cross-linked agarose**
Binding capacity	**20mg His tag fusion protein/ml medium**
Mean Bead size	**100μm**
Recommended flow rate	**<10ml/min**
pH Limits	**pH 3-12**
working temperature	**Room Temperature**
Storage	**4-8°C, 20% ethanol**

◆ Application

Purification of His-tagged fusion proteins.

◆ Note

1、All the buffers should not contain EDTA, citrates or reductants such as β- mercaptoethanol.

2、Sample can be dissolved by equilibration buffer (pH 5.5 ~ 8.5). The optimal pH for samples binding to the resin is 8.0-8.5.

3、Samples should be centrifuged or passed through 0.45-μm filter to prevent clogging the column.

4、Adding Tween-20 into equilibration buffer and elution buffer to a final concentration of 1% can reduce the non-specific binding.