

Anti-HSA Affibody[®] Molecule, Biotin Conjugated

BACKGROUND

Human serum albumin (HSA), a soluble, monomeric protein, is the most abundant protein in human serum. Normal levels are 40-60 mg/ml HSA in blood; however the amount of HSA decreases upon infection. HSA acts primarily as a carrier protein for steroids, fatty acids and thyroid hormones, and it stabilizes extracellular fluid volume. Serum albumin is produced by the liver as pre-proalbumin and it is cleaved twice before secretion.

The Anti-HSA Affibody[®] molecule binds with high affinity to native albumin from human, mouse and rat serum. The Anti-HSA Affibody[®] molecule can be used as capture reagent or detection reagent in ELISA. It is also well suited for affinity chromatography and depletion of HSA from human serum. The biotin conjugated Anti-HSA Affibody[®] molecule is biotinylated at a unique C-terminal cysteine using a maleimide-biotin reagent, facilitating immobilization on various streptavidin coated solid supports.

PRODUCT INFORMATION

Product name: Anti-HSA Affibody[®] molecule, Biotin Conjugated.

Catalog number:

500 µg: 10.0644.02.0005

Source: Recombinant protein produced in *E. coli*.

Specificity: Anti-HSA Affibody[®] molecule binds to native human serum albumin (HSA) and also to serum albumin of mouse and rat origin.

MW: 14.0 kDa

Theoretical pI: 5.2

Purity: >98% as determined by RP-HPLC analysis.

Tested applications: ELISA, Affinity chromatography.

Form: In buffer solution (20 mM Sodium Phosphate, 150 mM Sodium Chloride, 0.02%(w/v) Sodium Azide, pH 7.2).

Storage: Short-term storage at +4°C is recommended. For long-term storage, the protein solution should be aliquoted and then stored at -20°C.

Shipping: At ambient temperature.

Stability: There is no decrease in performance of the biotinylated Affibody[®] molecule after 10 repeated freeze and thaw cycles or after storage for 1 week in room temperature.

Product support: www.affibody.com/shop
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LIMITATIONS

Warranty: Affibody[®] products are warranted to meet stated product specifications and to confirm to label descriptions when used and stored properly. Unless otherwise stated, this warranty is limited to one year from date of sales for products used, handled and stored according to Affibody AB's instructions. Affibody AB's sole liability is limited to replacement of the product or refund of the purchase price. Affibody[®] products are supplied for research use only. They are not intended for medicinal, diagnostic or therapeutic use. Affibody[®] products may not be resold, modified for resale or used to manufacture commercial products without prior written approval from Affibody AB.

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