

Data Sheet

Desthiobiotin

Cat. No.: 2-1000-001; 2-1000-002; 2-1000-005

Version: 5.3

Lot No.: 1000-

Revision Date: 25.02.2020

Description	Desthiobiotin is an efficient competitor for the mild elution of Strep-tag®II and Twin-Strep-tag® fusion proteins from Strep-Tactin® columns. It is generally used at 2.5 mM concentration in a buffer compatible with the recombinant target protein. pH 8.0 is recommended. At least the buffer should be slightly alkaline for efficient dissolution of desthiobiotin. This lot is proved to be compatible with Strep-tag®/ Strep-Tactin® applications.
Full Name / CAS-No.	Desthiobiotin (5-Methyl-2-oxo-4-imidazolidinehexanoic acid), 533-48-2
Formula	C ₁₀ H ₁₈ N ₂ O ₃
MW	214,3 g/mol
Stability	12 months after shipping
Storage	recommended: 2 - 8 °C
Shipping	room temperature
Hazards	Product is not classified as hazardous according to (EC) No 1272/2008 [CLP]. A Material Safety Data Sheet is provided.

Working solution	Prepare a 2.5 mM working solution for elution of Strep-tag® proteins from Strep-Tactin resins: Completely dissolve 0.107 g Desthiobiotin in 200 ml of a buffer compatible with the recombinant protein. e.g., Buffer W (Strep-Tactin®/XT Wash Buffer): 100 mM Tris-Cl pH 8.0 150 mM NaCl 1 mM EDTA Do not use Desthiobiotin for elution from Strep-Tactin®XT resin!
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