

D-Biotin, BSA-conjugated

DAG3281 chemosynthetic

Lot. No. (See product label)

PRODUCT INFORMATION

Product overview	D-Biotin, BSA-conjugated
Description	D-Biotin, Conjugated
Species	chemosynthetic
Specificity	D-Biotin (vitamin H) conjugated with bovine serum albumin (BSA).
Conjugate	BSA
Form	Lyophilized (1 mg); Lyophilized and reconstituted in deionized water (250 µg)
Applications	immunohistochemistry and immunocytochemistry
Usage	This antigen was used to produce a polyclonal antibody.
Quality Control Test	250 micrograms, 1 milligram

PACKAGING

Storage	Store at -20°C for one year. Reconstitute with deionized H ₂ O + 0.1% merthiolate (optional preservative). This solution is stable at +4°C for 15 days.
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BACKGROUND

Introduction	Biotin is a water-soluble B-vitamin (vitamin B7). It is composed of a ureido (tetrahydroimidizalone) ring fused with a tetrahydrothiophene ring. A valeric acid substituent is attached to one of the carbon atoms of the tetrahydrothiophene ring. Biotin is a coenzyme for carboxylase enzymes, involved in the synthesis of fatty acids, isoleucine, and valine, and in gluconeogenesis.
Keywords	Biotin; vitamin H; coenzyme R; FACTOR S; BIOTINUM; BIOEPIDERM

REFERENCES

1. Zempleni J, Wijeratne SS, Hassan YI. (2009). "Biotin". Biofactors 35 (1): 36–46.
2. Holmberg A, Blomstergren A, Nord O et al. (2005). "The biotin-streptavidin interaction can be reversibly broken using water at elevated temperatures". Electrophoresis 26 (3): 501–10.