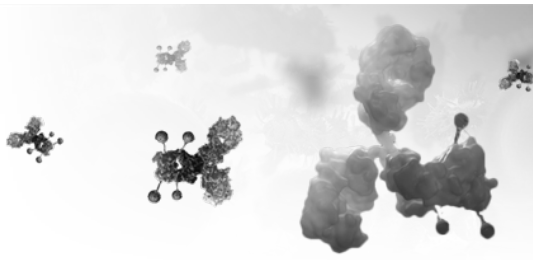

Trans-4-Hydroxyproline [BSA] (DAG3413)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Product Overview	Trans-4-Hydroxyproline, BSA-conjugated
Specificity	Trans-4-Hydroxyproline conjugated with bovine serum albumin (BSA).
Species	N/A
Purity	Purity is greater than 90.0% as determined by SDS-PAGE.
Conjugate	BSA
Applications	immunohistochemistry and immunocytochemistry
Reconstitution	Reconstituted in deionized water (250 µg)
Format	Lyophilized
Size	1 mg
Preservative	None
Storage	2-8°C short term, -20°C long term

BACKGROUND

Introduction	Hydroxyproline, a non-essential amino acid derived from proline, with no known therapeutic use. Hydroxproline is used as a major component of structural protiens such as collagen, connective tissues, plant cell walls, tendons and ligaments and provides skin elasticity. Vitiman C is required for the conversion process from proline to hydroxyproline, a deficincy in vitiman C can lead to defects in collagen synthesis, thus, resulting in easy bruising, internal bleeding, breakdown of connective tissue of the ligaments and tendons, and increased risk to blood vessel damage. An unusual feature of this amino acid is that, it is not incorporated into collagen

45-1 Ramsey Road, Shirley, NY 11967, USA
Email: info@creative-diagnostics.com
Tel: 1-631-624-4882 Fax: 1-631-938-8221

	during biosynthesis at the ribosomal level, but is formed from proline by a posttranslational modification by an enzymatic hydroxylation reaction.
Keywords	Trans-4-Hydroxyproline; (2S,4R)-4-Hydroxyproline; L-hydroxyproline; HYP; Hydroxyproline; Hypro; H-HYP-OH

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