

D-Tryptophan, BSA-conjugated

DAG3304 chemosynthetic

Lot. No. (See product label)

PRODUCT INFORMATION

Product overview	D-Tryptophan, BSA-conjugated
Description	D-Tryptophan, Conjugated
Species	chemosynthetic
Specificity	D-Tryptophan conjugated with glutaraldehyde (G) and 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 2 months.
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BACKGROUND

Introduction	Tryptophan is one of the 22 standard amino acids, as well as an essential amino acid in the human diet. It is encoded in the standard genetic code as the codon UGG. Only the L-stereoisomer of tryptophan is used in structural or enzyme proteins, but the D-stereoisomer is occasionally found in naturally produced peptides (for example, the marine venom peptide contryphan). The distinguishing structural characteristic of tryptophan is that it contains an indole functional group. It is an essential amino acid as demonstrated by its growth effects on rats.
Keywords	Tryptophan; Trp; W; L-Trp; D-Trp; Tryptan; Fmoc-Tryptophan-OH

REFERENCES

1. Cox GJ, King H (1943), "L-Tryptophane", Org. Synth.; Coll. Vol. 2: 612–616.
2. Ikeda M (2002). "Amino acid production processes". Adv. Biochem. Eng. Biotechnol.. Advances in Biochemical Engineering/Biotechnology 79: 1–35.