



L-Phenylalanine [G-BSA] (DAG3391)

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

PRODUCT INFORMATION

Product Overview	L-Phenylalanine, G-BSA-conjugated
Specificity	L-Phenylalanine conjugated with glutaraldehyde (G) and bovine serum albumin (BSA).
Species	N/A
Conjugate	G-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	Phenylalanine is the most commonly found aromatic, essential amino acid. In a normal individual it is converted to tyrosine, which in turn is used to synthesise dopamine and norepinephrine (neurotransmitters). Phenylalanine takes three different forms; L-, D- and DL-. The L-form is the most common and the type in which it is incorporated into the body's proteins. The D-form acts as a painkiller and the DL-a combination of the two. Phenylalanine is used to elevate mood as it is involved with the nervous system, it can also aid memory and learning and can be used as an appetite suppressant. Treatment with phenylalanine can be beneficial in sufferers of Parkinson's disease, to treat depression and the D form may also be helpful in the treatment of chronic pain in both osteo-arthritis and rheumatoid arthritis.
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