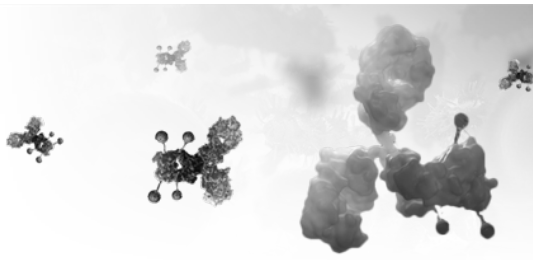

Cloxacillin [KLH] (DAG4483)

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

PRODUCT INFORMATION

Product Overview	Cloxacillin, KLH-conjugate
Antigen Description	The cloxacillin sodium and KLH (keyhole limpet hemocyanin) (10 mg each) are conjugated by EDC method in 0.1 M MES pH 5.0. The carboxyl group in the cloxacillin is directly linked to an amine group in the KLH without any linker by EDC conjugation method. Given the molecular weights of cloxacillin sodium and KLH are 475.88 Da and 8,000 – 9,000 kDa, respectively, the molar ratio of cloxacillin:KLH in the conjugation solution is 16811 - 18912:1. The resultant conjugation solution is then buffer-exchanged with 20 mM PBS, pH 7.4. The number of cloxacillin that is actually conjugated to each KLH molecule is not determined. Note: Due to its high molecular weight and its tendency to form aggregates, the conjugate is not completely soluble in the buffer that it is in. Therefore, it is strongly recommended to vigorously vortex immediately prior to aliquot or use.
Species	N/A
Conjugate	KLH
Applications	Used as immunogen for the generation of anti-cloxacillin antibodies. The cloxacillin, KLH-conjugate has been successfully used as an immunogen in inducing cloxacillin specific antibodies in mice.
Format	Liquid
Concentration	Approximately 2.0 mg/mL KLH
Size	1 mg
Buffer	Supplied in 20 mM PBS, pH 7.4
Preservative	None
Storage	Keep below -20°C for up to 1 year. Avoid repeated freeze-and-thaw. For short term storage (< 3

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weeks) keep at 4°C.

BACKGROUND

Introduction	Cloxacillin is a semisynthetic antibiotic in the same class as penicillin. Cloxacillin was discovered and developed by Beecham. It is sold under a number of trade names, including Cloxapen, Cloxacap, Tegopen and Orbenin.
Keywords	Cloxapen; Cloxacap; Tegopen and Orbenin; Cloxacillin

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