

I-3053: Furosine-KLH Conjugate

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| Product Name: | Furosine-KLH Conjugate |
| Catalogue No: | I-3053 |
| Conjugation Method: | EDC |
| Linker: | None |
| Number of Furosine per KLH: | Not determined |
| Concentration: | Approximately 2.0 mg/ml KLH (in 20 mM PBS, pH 7.4) |
| Storage: | Keep below -20°C for up to 1 year. Avoid repeated freeze-and-thaw. For short term storage (< 3 weeks) keep at 4°C. |
| Applications: | Used as immunogen for the generation of anti-furosine antibodies. |

Brief Description:

The Furosine and KLH (keyhole limpet hemocyanin) (10 mg each) are conjugated by EDC method in 0.1 M MES pH 5.0. The only one amine group in the furosine is directly linked to carboxyl group(s) in the KLH without any linker by EDC conjugation method. Given the molecular weights of furosine and KLH are 327.21Da and 8,000 – 9,000 kDa, respectively, the molar ratio of furosine:KLH in the conjugation solution is 24449 - 27505:1. The resultant conjugation solution is then buffer-exchanged with 20 mM PBS, pH 7.4. The number of furosine that is actually conjugated to each KLH molecule is not determined.

The furosine-KLH conjugate has been successfully used as an immunogen in inducing furosine specific antibodies in mice.

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.

PLEASE note that this product is intended for research use only; not for diagnostic or clinical use.

(Produced by Imgen BioSciences, Inc., August, 2016)