## KLH–Digoxigenin Conjugate
1 mg per tube, ≥99%

Product Number: **CM52108**

### Product Description

Digoxigenin, a steroid isolated from Digitalis plants, is frequently used



for biodetection purposes. This KLH-digoxigenin conjugate is designed with a flexible linker to allow easy interaction between digoxigenin and other detection molecules. A linker is first added site-specifically to digoxigenin via its OH group then digoxigenin is labeled at the surface amines of KLH. KLH has a high amount (30 to 40) of digoxigenin loaded.

The product is sold as either 1 vial of 1 mg (Cat# CM52108-1MG) or 5 vials of 1 mg (Cat# CM52108-5MG).
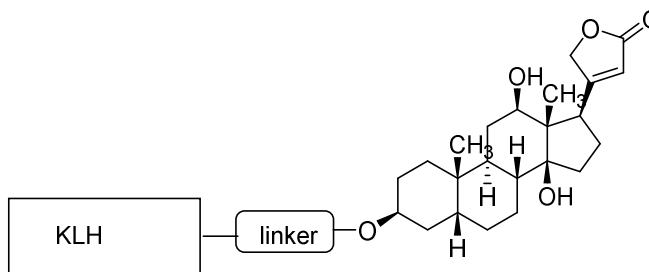
### Application

- Suitable for immunization or immunoassay.

### Key Features of this KLH-Creatinine Conjugate

- Lyophilized from phosphate buffered saline containing sugar-based stabilizer for easy shipping and storage.
- Flexible long linker and non-interfering labeling chemistry for easy access
- Concentration accurately determined by UV/HPLC

### Chemical Information

- **Chemical Name**: KLH–Digoxigenin Conjugate      **Chemical Formula:** N/A
- **Molecular Weight:** 400KDa      **CAS Number:** N/A

### Specification

- **Physical Appearance:** Colorless to white lyophilized powder in a microcentrifuge tube
- **Storage Temp:** -20°C
- **Purity:** ≥99% of conjugate by HPLC, free of any unreacted digoxigenin
- **Average Digoxigenin over KLH:** 30–40

### Selected References using Digoxigenin Detection System

1. Martin R. *et. al.* A highly sensitive, nonradioactive DNA labeling and detection system. *Biotechniques*. **1990**, *9*, 762-768.
2. Bautista J.; Mateos-Nevado MD. Immunological detection and quantification of oxidized proteins by labelling with digoxigenin. Biosci Biotechnol Biochem **1998**, *62*, 419-423.
3. Heyduk E.; Hickey R.; Pozzzi N.; Heyduk T. Peptide ligand-based ELISA reagents for antibody detection. Anal Biochem. **2018**, *559*, 55-61.
4. Komminoth P. Digoxigenin as an alternative probe labeling for in situ hybridization. Diagn Mol Pathol. **1992**, *1*, 142-150.