

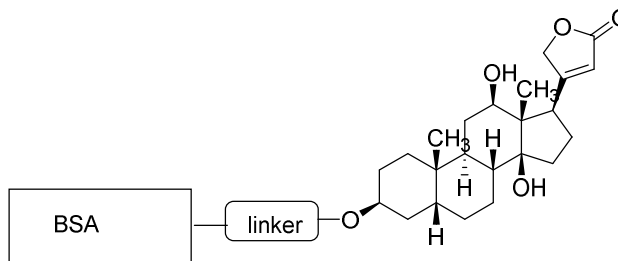
BSA–Digoxigenin Conjugate

1 mg per tube, ≥99%

Product Number: **CM52107**

Product Description

Digoxigenin, a steroid isolated from Digitalis plants, is frequently used for biodetection purposes. This BSA-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 BSA. BSA has a high amount (10 to 20) of digoxigenin loaded without any additional aggregation.



The product is sold as either 1 vial of 1 mg (Cat# CM52107-1MG) or 5 vials of 1 mg (Cat# CM52107-5MG).

Application

- Suitable for immunization or immunoassay.

Key Features of this BSA-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
- Higher loading confirmed by difference MALDI-TOF MS

Chemical Information

- **Chemical Name:** BSA–Digoxigenin Conjugate **Chemical Formula:** N/A
- **Molecular Weight:** 70KDa **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 SEC HPLC, free of any unreacted digoxigenin
- **Average Digoxigenin over BSA:** 10–20 (refer COA of each lot for actual value)

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.; Pozzi 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.