

## CERTIFICATE OF ANALYSIS

**Important Note:** Centrifuge before opening to ensure complete recovery of vial contents.

**Catalog #:** A86199H **Lot #:** 3C07521

**Description:** Human CA19-9 Antigen Grade  
Human Cancer Antigen 19-9 (CA19-9) (Gastrointestinal Cancer) Antigen Grade

**Source:** Human metastatic liver carcinoma.

**Format:** Purified, Liquid

**Purification:** Gel filtration and column chromatography.

**Concentration:** 5000.0 kIU/mL

**Buffer:** Phosphate Buffered Saline, pH 7.4 containing 3% Sucrose.

**Preservative:** 0.05% Sodium Azide

**Applications:** Immunogen, Calibrator in Immunoassays and *in vitro* studies. Each laboratory should determine an optimum working titer for use in its particular application. Other applications have not been tested but use in such assays should not necessarily be excluded.

**Storage:** Upon receipt, store at -20°C. Avoid multiple freeze/thaw cycles.

**Inactivation:** Not Applicable

**Safety Note(s):** Refer to appropriate Safety Data Sheet (SDS) for additional information.

Quality Signature:



17 MAR 2021

**FOR RESEARCH OR FURTHER MANUFACTURING USE ONLY**