



**UNITED STATES DEPARTMENT OF COMMERCE**  
**National Institute of Standards and Technology**  
Gaithersburg, Maryland 20899-0001

DATE: 13 July 2016

**Product Identifier**

**RM Number:** 8671

**RM Name:** NIST mAb, Humanized IgG1 $\kappa$  Monoclonal Antibody

Under the U.S. Department of Labor, Occupational Safety and Health Administration (OSHA) 29 CFR 1910.1200, this Reference Material (RM) is NOT classified as a physical hazard or a health hazard, a simple asphyxiant, combustible dust, pyrophoric gas, or hazard not otherwise classified. There are no hazard pictograms, hazard statements or signal word associated with it. Safety Data Sheet information is not required. This document may be used in conjunction with your hazard communication program.

**Description:** This RM is intended primarily for use in evaluating the performance of methods for determining physicochemical and biophysical attributes of monoclonal antibodies. It also provides a representative test molecule for development of novel technology for therapeutic protein characterization. This RM can be used for a variety of uses that may include system suitability tests, establishing method or instrument performance and variability, comparing changing analytical test methods, and assisting in method qualification. A unit of RM 8671 consists of one cryovial containing 800  $\mu$ L of 10 mg/mL IgG1 $\kappa$  monoclonal antibody in 12.5 mmol/L L-histidine, 12.5 mmol/L L-histidine HCl (pH 6.0).

**Additional Notes:** RM 8671 IS INTENDED FOR RESEARCH USE. NOT INTENDED FOR ANIMAL OR HUMAN CONSUMPTION, CLINICAL TESTING, OR THERAPEUTIC USE. As a general rule, personal protective equipment should always be worn during any laboratory procedure. This includes, but is not limited to safety goggles, gloves, and a laboratory jacket. This RM should be stored at  $-80^{\circ}\text{C}$ .

**Disposal:** RM 8671 should be disposed of in accordance with local, state, and federal regulations.

**Transport Information:** This material is not regulated by the U.S. Department of Transportation (DOT) and/or International Air Transport Association (IATA).

**Disclaimer:** This document was prepared carefully, using current references. Users of this RM should ensure that this document and the corresponding Report of Investigation in their possession are current. This can be accomplished by contacting the SRM Program: telephone (301) 975-2200; fax (301) 948-3730; e-mail [srmmsds@nist.gov](mailto:srmmsds@nist.gov); or via the Internet at <http://www.nist.gov/srm>.