

Datasheet for ABIN2669225
Anti-Neu5Gc Antibody Kit

2 Images

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Overview

Quantity:	25 µL
Target:	Neu5Gc
Reactivity:	Mammalian
Host:	Chicken
Clonality:	Polyclonal
Application:	Flow Cytometry (FACS)

Product Details

Cross-Reactivity (Details):	All mammals except human
Characteristics:	<p>Neu5Gc (N-Glycolylneuraminic acid) is a sialic acid molecule found in most mammals but not in humans. It is derived from the most commonly expressed sialic acid, Neu5Ac, differing from it by only one oxygen atom. The gene CMAH that encodes for CMP-N-acetylneuraminic acid hydroxylase is responsible for the conversion of Neu5Ac to Neu5Gc. In humans, this gene is inactive due to a deletion mutation. As such, the human immune system sees Neu5Gc as a foreign, immunogenic molecule. Neu5Gc enters the human body primarily through dietary intake of red meat and dairy products. Neu5Gc is also incorporated, albeit to a lesser degree, into certain biopharmaceuticals, through the use of animal-derived reagents and cell lines during the manufacturing of these products. Due to its immunogenic properties, the intake and incorporation of Neu5Gc in humans causes the formation of circulating antibodies against this non-human molecule, which can lead to chronic inflammation, the exacerbation of certain diseases, and possibly reduced the efficacy of biopharmaceuticals.</p>
Components:	Anti-Neu5Gc Antibody Kit, Chicken IgY, Clone: Poly21469, PURE 25 µl

Target Details

Target: Neu5Gc

Application Details

Application Notes: Optimal working dilution should be determined by the investigator.

Restrictions: For Research Use only

Handling

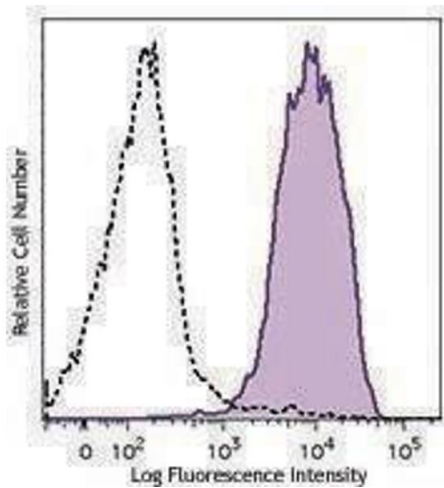
Format: Liquid, Lyophilized

Buffer: The Neu5Gc antibody and the chicken IgY isotype control in this kit are lyophilized. The blocking solution is liquid.

Storage: -20 °C

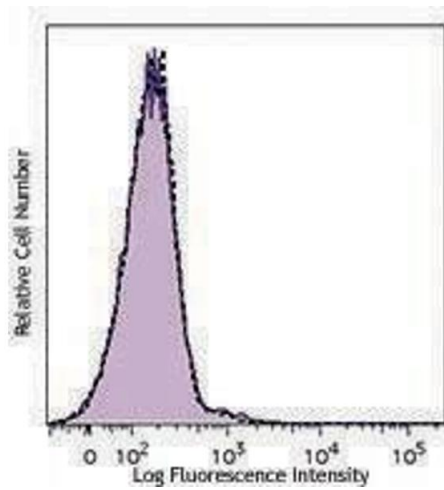
Storage Comment: For long-term storage, store the lyophilized antibodies at -20°C or -70°C, and store the blocking solution between 2°C and 8°C. After reconstitution, store the antibodies between 2°C and 8°C for up to 2 weeks. For longer term storage up to 6 months, store the reconstituted product in aliquots at -20°C.

Images



Flow Cytometry

Image 1.



Flow Cytometry

Image 2.