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Datasheet for ABIN2669225 Anti-Neu5Gc Antibody Kit

2 Images

A Product page

Overview

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

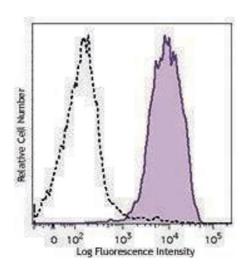
Product Details

Cross-Reactivity (Details):	All mammals except human
Characteristics:	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.
Components:	Anti-Neu5Gc Antibody Kit, Chicken IgY, Clone: Poly21469, PURE 25 µl

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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
Format: Buffer:	Liquid, Lyophilized The Neu5Gc antibody and the chicken IgY isotype control in this kit are lyophilized. The blocking
	The Neu5Gc antibody and the chicken IgY isotype control in this kit are lyophilized. The blocking
Buffer:	The Neu5Gc antibody and the chicken IgY isotype control in this kit are lyophilized. The blocking solution is liquid.
Buffer: Storage:	The Neu5Gc antibody and the chicken IgY isotype control in this kit are lyophilized. The blocking solution is liquid. -20 °C
Buffer: Storage:	The Neu5Gc antibody and the chicken IgY isotype control in this kit are lyophilized. The blocking solution is liquid. -20 °C For long-term storage, store the lyophilized antibodies at -20°C or -70°C, and store the blocking

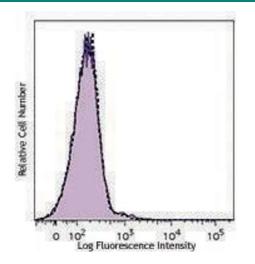
Images



Flow Cytometry

Image 1.

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Flow Cytometry

Image 2.

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