






# KRISHZYME™ NGA2 GLYCAN, 2 AB LABELED

**REF** : KPGF-2016

Ver 1.0

**RUO**

<b>RUO</b>	<b>For Research &amp; Industrial Use Only</b>	<b>REF</b>	<b>Catalog Number</b>
	<b>Store At</b>	<b>LOT</b>	<b>Batch Code</b>
	<b>Manufactured By</b>		<b>Biological Risk</b>
	<b>Expiry Date</b>		<b>Consult Operating Instructions</b>

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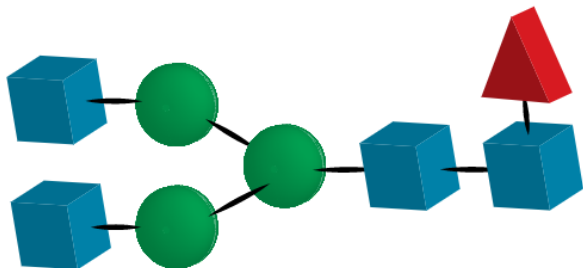


**KRISHGEN BioSystems**

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**Product Description:**

2-AB labeled Asialo-, Agalacto- Biantennary Oligosaccharide



**Pack Size:**

100 picomoles

**Synonym:**

NGA2 2-AB Glycan, NGA2 N-linked oligosaccharide, G0

**Source:**

NGA2 glycan is found on several mammalian glycoproteins including asialo serum transferrin and fibrin. This product is typically purified from the oligosaccharide pool released from bovine serum by hydrazinolysis using a combination of HPLC and glycosidase digestion.

**Form:**

Dry. Dried by centrifugal evaporation from an aqueous solution.

**Molecular Weight:**

1437

**Number of Samples:**

Typically, 100 fmol to 10 pmol of the NGA2 2-AB glycan can be detected, dependent on the sensitivity of the fluorometer, HPLC or mass spectrometer.

**Structural Integrity:**

Determined by MALDI mass spectrometry and HPLC.

**Labeling:**

Stoichiometric labelling. One fluorophore molecule covalently bonded to each glycan.

**Detection:**

Fluorescence detection: 360 nm excitation wavelength, 425 nm emission wavelength.

**Purity:**

>90% pure as assessed by a combination of 1 H-NMR and HPLC.

**Storage:**

Store at -20°C. This product is stable for at least 5 years as supplied.

**Shipping:**

The product can be shipped at ambient when dry.

**Handling:**

Allow the unopened vial to reach ambient temperature and tap unopened on a solid surface to ensure that most of the lyophilized material is at the bottom of the vial. Gently remove the cap, add the desired volume of reconstitution medium, re-cap and mix thoroughly to bring all the oligosaccharide into solution. For maximal recovery of oligosaccharide, ensure that the cap lining is also rinsed and centrifuge the reconstituted vial briefly before use. Ensure that any glass, plasticware or solvents used are free of glycosidases and environmental carbohydrates. Minimise exposure to elevated temperatures or extremes of pH. High temperatures and low pH will cause desialylation. High pH will cause epimerisation of the reducing terminus GlcNAc.

**Safety:**

This product is non-hazardous and has been purified from natural sources certified to be free of all hazardous material including pathogenic biological agents.

**LIMITED WARRANTY**

Krishgen Biosystems does not warrant against damages or defects arising in shipping or handling, or out of accident or improper or abnormal use of the Products; against defects in products or components not manufactured by Krishgen Biosystems, or against damages resulting from such non-Krishgen Biosystems made products or components. Krishgen Biosystems passes on to customer the warranty it received (if any) from the maker thereof of such non Krishgen made products or components. This warranty also does not apply to Products to which changes or modifications have been made or attempted by persons other than pursuant to written authorization by Krishgen Biosystems.

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This Limited Warranty states the entire obligation of Krishgen Biosystems with respect to the Products. If any part of this Limited Warranty is determined to be void or illegal, the remainder shall remain in full force and effect.

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