DATASHEET

AREX® Fluor 488 Wheat Germ Agglutinin (WGA)

CAT. NO. ARA5801

KEY FEATURES

Target	Wheat Germ Agglutinin (WGA)	**Source / Host**	Wheat
Reactivity	Species independent	**Applications**	IF/ICC
Conjugation	Fluor 488	**Storage**	at -20°C

BACKGROUND

Wheat germ agglutinin (WGA) is a lectin that binds specifically to N-acetylglucosamine and N-acetylneuraminic acid (sialic acid) residues on glycoconjugates and oligosaccharides. These glycans are abundant on the cell surface, so fluorescent WGA conjugates are widely used to label the plasma membrane in fluorescence imaging and cell-painting assays, and to study glycosylation patterns and glycan-mediated processes in cells and tissues. AREX® Fluor 488 Wheat Germ Agglutinin (WGA) has excitation/emission maxima of 491/512 nm and is suitable for living cells, fixed cells and tissue sections.

APPLICATION

To ensure optimal assay performance, AREX recommends conducting reagent titration tailored to each testing system for optimal detection results.

IF/ICC	Assay-dependent

*Results are sample-specific. Please refer to your local assay conditions and test parameters for reference.

OVERVIEW

Description	Fluor 488-conjugated wheat germ agglutinin (WGA) for IF/ICC.
Specificity	Binds N-acetylglucosamine and N-acetylneuraminic acid residues on glycoconjugates and oligosaccharides.
Form/Buffer	Lyophilized powder. Ex/Em = 491/512 nm.
Subcellular Location	Cell membrane
Alternative Names	WGA, Wheat germ agglutinin

*AREX continuously optimizes our products. Webpage content may not reflect the latest updates. For inquiries, please contact info@arexbio.com or your local distributor.

*Clone Number, Reactivity, Source/Host and Clonality can be found in the product name and Key Features section above.

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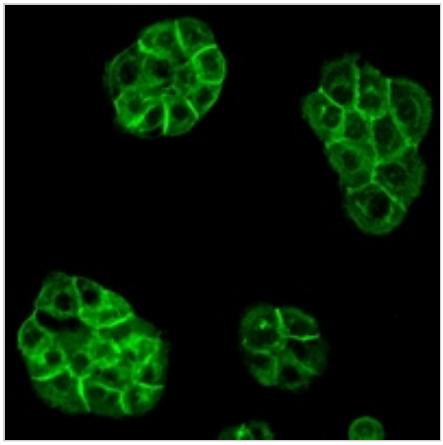
DATA



Cells were stained with AREX® Fluor 488 Wheat Germ Agglutinin (WGA) (ARA5801), which labels N-acetylglucosamine and sialic acid residues on the cell surface.

STORAGE

Store at 4°C short term. For long term storage, store at -20°C, avoiding freeze/thaw cycles.

NOTE

For Research Use Only. Not for diagnostic, therapeutics, prophylactic or in vivo use.

More information: www.arexbio.com