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PRODUCT DATA SHEET

Part number(s): AC2022, AC2023

AzureCyto™ In-Cell Western Kit

In-Cell Western Kit with Total Cell Staining

Product description:

AzureCyto™ in-cell Western Kit contains all essential reagents to achieve highly sensitive, whole-cell staining data for five 96-well plates. The AzureCyto Permeabilization Solution is designed to remove membrane lipids to facilitate antibody entry into the cell. It also permeabilizes the nuclear membrane, enabling the detection of nuclear proteins. AzureCyto Total Cell Stain is a nuclear stain provided as a 500x concentrate that can be co-incubated with primary antibodies, reducing assay steps and streamlining the ICW process. Each kits includes one AzureSpectra 700 and one AzureSpectra 800 conjugated secondary antibody targeting mouse or rabbit primary antibodies enabling simultaneous detection of two biomarkers.

Quality control analysis and expected results:

As an example of a typical application, HeLa cells ranging from approximately 1,500 to 100,000 cells per well were co-incubated overnight with AzureCyto Total Cell Stain, 1:200 Mouse anti-STAT3 (Cell Signaling Technology #9139) and 1:200 Rabbit anti-β-Actin (Millipore #MABT523). After washing, a mixture of 1:120 dilution of goat anti-mouse AzureSpectra 700, and 1:120 dilution of goat anti-rabbit AzureSpectra 800 was applied for 1 hour. After washing with 1X PBS the plate was imaged on the Azure Sapphire FL Biomolecular Imager. Both STAT3 and β-Actin were detected above background in the 1,500 cells/well sample. AzureCyto Cell Staining Solution is a nuclear stain represented by blue, linear up to ~30,000 cells/well and imaged in the Cy3-compatible channel. The 700 channel is represented by red. The 800 channel is represented by green.

Components and storage conditions:

Common components for both AC2022 and AC2023:

S1095	AzureCyto Cell Permeabilization Solution	+4°C
S1096	AzureCyto Blocking Solution	+4°C
S1098	AzureCyto Total Cell Stain, 500x	-20°C

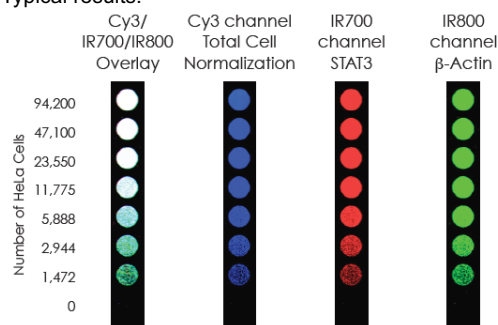
AC2022:

AC2128	AzureSpectra Goat anti-Rabbit 700	-20°C
AC2135	AzureSpectra Goat anti-Mouse 800	-20°C

AC2023:

AC2129	AzureSpectra Goat anti-Mouse 700	-20°C
AC2134	AzureSpectra Goat anti-Rabbit 800	-20°C

Typical results:



Shelf life:

Unopened components are stable for at least one year after receipt by end-user if stored as specified.

Shipping conditions:

Ships at ambient temperature.
 All shipping methods are acceptable.
 Store each component at specified temperature upon receipt.

