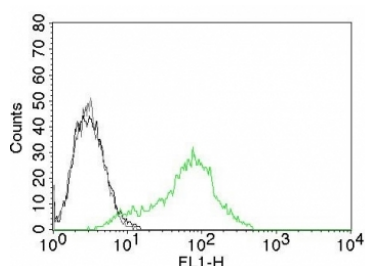


Ku70 + Ku80 Antibody [clone KU729] (V2128CF488)

Catalog No.	Formulation	Size
V2128CF488-100T	500 ul at 0.1 mg/ml with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide	100 Tests

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human
Format	CF488 Conjugate
Clonality	Monoclonal (mouse origin)
Isotype	Mouse IgG1, kappa
Clone Name	KU729
Purity	Protein G affinity chromatography
Localization	Nuclear
Applications	Flow Cytometry : 5ul per test per one 10 ⁶ cells in 0.1ml or 5ul per 100ul of whole blood Immunofluorescence : 1:50-1:100
Limitations	This Ku70 + Ku80 antibody is available for research use only.



FACS testing of permeabilized human 293T cells with Ku70 + Ku80 antibody. Black=cells alone; Gray=isotype control; Green= Ku70 + Ku80 antibody.

Description

Recognizes a dimer of two proteins of 70kDa and ~80kDa, identified as two subunits of Ku. MAb KU729 recognizes a conformational epitope of p70/p80 dimer, which is destroyed during Western blotting. The p70/p80 dimer is important for function of a 460kDa DNA-dependent protein kinase. Ku protein plays a role in cell signaling, proliferation, DNA repair, replication, transcriptional activation, and apoptosis.

Application Notes

Optimal dilution of the Ku70 + Ku80 antibody should be determined by the researcher.

Immunogen

Nuclear extract of human HL-60 cells was used as the immunogen for this Ku70 + Ku80 antibody.

Storage

Store the Ku70 + Ku80 antibody at 2-8oC, protected from light.