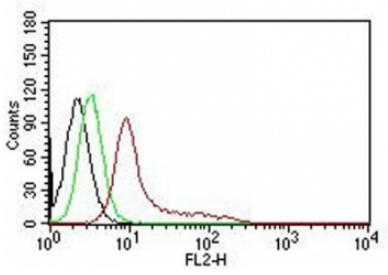
Ku70 + Ku80 Antibody PE Conjugate [clone KU729] (V2128PE)

Catalog No.	Formulation	Size
V2128PE-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 and Primates. Does not react with mouse, rat and chicken. Other species not known.
Format	PE Conjugate
Clonality	Monoclonal (mouse origin)
Isotype	Mouse IgG1, kappa
Clone Name	KU729
Purity	Protein G affinity chromatography
Buffer	1X PBS, pH 7.4
Gene ID	2547
Localization	Nuclear
Applications	Flow Cytometry : 5ul/test/million cells or 5ul/test/100ul of whole blood Immunofluorescence : 1:50-1:100 for 30 minutes at RT
Limitations	This **Ku70 + Ku80 antibody** is available for research use only.



FACS testing of human K562 cells with Ku70 + Ku80 antibody. Black=cells alone; Green=isotype control; Red= PE conjugated Ku70 + Ku80 antibody.

Description

This antibody recognizes a dimer of two proteins of 70kDa (Ku70) and ~80kDa (Ku80), identified as two subunits of Ku. Antbody KU729 recognizes a conformational epitope of the Ku70 + Ku80 dimer, which is destroyed during Western blotting. The Ku70 + Ku80 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

The concentration stated for each application is a general starting point. Variations in protocols, secondaries and substrates may require the Ku70 + Ku80 antibody to be titered up or down for optimal performance.

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. Conjugate is light sensitive, store in the dark.

Alternate Names

ATP dependent DNA helicase 2 subunit 1; ATP-dependent DNA helicase II 70 kDa subunit; CTC box-binding factor 75 kDa subunit; CTC75; CTCBF; G22P1; Thyroid-lupus autoantigen (TLAA); X-ray repair cross-complementing protein 6 (XRCC6), ATP dependent DNA helicase 2 subunit 2; ATP dependent DNA helicase II 86 Kd subunit; ATP-dependent DNA helicase II 80 kDa subunit; CTC box-binding factor 85kDa subunit; CTC85; CTCBF; KARP1; Nuclear factor IV (NFIV); Thyroid-lupus autoantigen (TLAA); X-ray repair cross-complementing protein 5 (XRCC5), Ku70 + Ku80 antibody