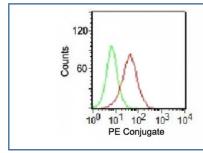


Ku70 + Ku80 Antibody PE Conjugate [clone LKAP1-1] (V7202PE)

Catalog No.	Formulation	Size
V7202PE-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

Species Reactivity	Human
Format	PE Conjugate
Clonality	Monoclonal (mouse origin)
Isotype	Mouse IgG1, kappa
Clone Name	LKAP1-1
Purity	Protein G purified
Buffer	1X PBS, pH 7.4
Gene ID	2547
Localization	Nuclear
Applications	Flow Cytometry : 5ul/test/10e6 cells in 100ul or 5ul/100ul whole blood
Limitations	This Ku70 + Ku80 antibody is available for research use only.



Intracellular FACS testing of K562 cells with PE conjugated Ku70 + Ku80 antibody (red) and isotype control (green).

Description

Together, Ku70 and Ku80 make up the Ku heterodimer, which binds to DNA double-strand break ends and is required for the non-homologous end joining (NHEJ) pathway of DNA repair. It is also required for V(D)J recombination, which utilizes the NHEJ pathway to promote antigen diversity in the mammalian immune system. In addition to its role in NHEJ, Ku is also required for telomere length maintenance and subtelomeric gene silencing. Ku was originally identified when patients with systemic lupus erythematosus were found to have high levels of autoantibodies to the protein. [Wiki]

Application Notes

Titering of the Ku70 + Ku80 antibody may be required for optimal performance.

Immunogen

A human cell nuclear fraction was used as the immunogen for this Ku70 + Ku80 antibody.

Storage

Store the Ku70 + Ku80 antibody at 2-8°C. Conjugate is light sensitive, store in the dark.