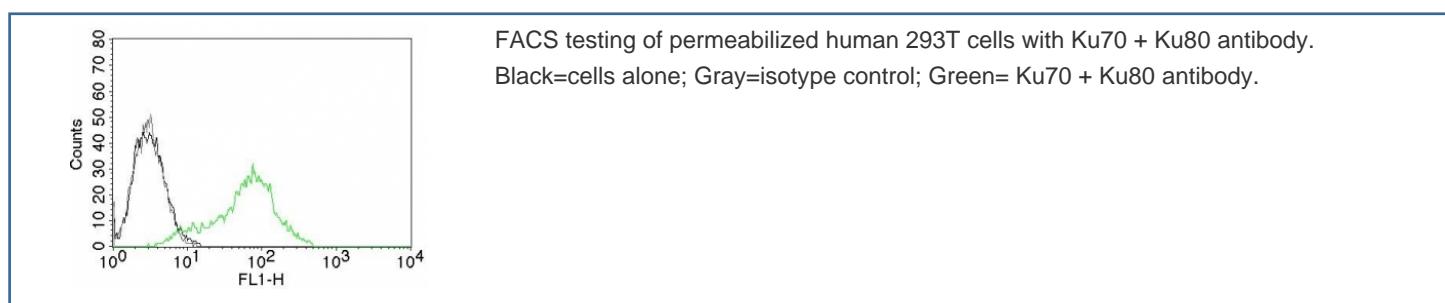


## Ku70 + Ku80 Antibody [clone KU729] (V2128CF488)

| 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  |
| Host               | Mouse  |
| 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<br>Immunofluorescence : 1:50-1:100 |
| Limitations        | This Ku70 + Ku80 antibody is available for research use only.  |



### 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.