Catalog # 2547-MSM1-CF488-100T
Product Datasheet

Ku (p70/p80) (Nuclear Marker) Antibody

Mouse Monoclonal Antibody [Clone KU729]

Catalog No	Format	Size
2547-MSM1-CF488-100T	Purified Ab conjugated to CF488	0.5 ml at 100ug/ml

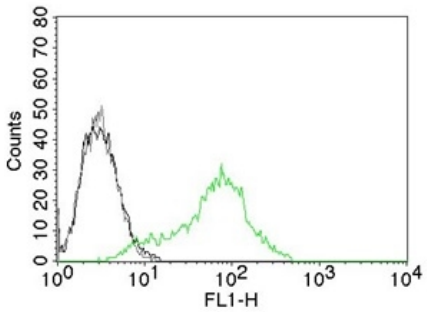
Applications	Tested Dillution	Note
Flow Cytometry (Flow)	1-2ug/million cells	
Immunofluorescence (IF)	1-3ug/ml	

Product Details

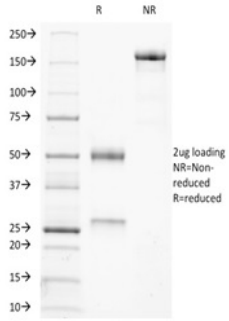
Clone	KU729
Gene Name	XRCC6
Immunogen	Nuclear extract of human HL-60 cells
Host	Mouse
Clonality	Monoclonal
Isotype / Light Chain	IgG1
Mol. Weight of Antigen	70kDa & 80kDa
Cellular Localization	Chromosome, Nucleus
Species Reactivity	Human
Positive Control	Human cancer K562

**Optimal dilution for a specific application should be determined.*

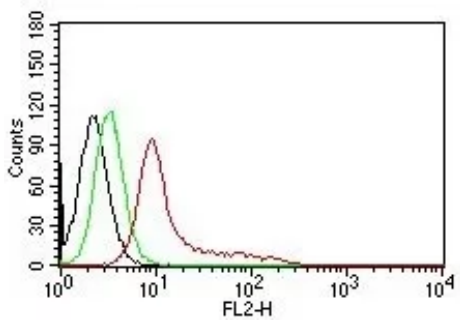
Product Images for Ku (p70/p80) (Nuclear Marker) Antibody



Flow Cytometry of human Ku (p70/p80) on 293T cells. cells alone; Grey:isotype control; Green: AF488-labeled Ku Mouse Monoclonal Antibody (KU729).



SDS-PAGE Analysis of Purified Ku Mouse Monoclonal Antibody (KU729). Confirmation of Purity and Integrity of Antibody.



Flow Cytometric analysis of human Ku (p70/p80) on K562 cells. Black: cells alone; Green: Isotype Control; Red: PE-labeled Ku Monoclonal Antibody (KU729).

Specificity & Comments

Recognizes a dimer of two proteins of 70kDa and ~80kDa, identified as two subunits of Ku. This MAb 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.

Supplied As

200ug/ml of Ab purified from Bioreactor Concentrate by Protein A/G. Prepared in 10mM PBS with0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.

Storage and Stability

Antibody with azide - store at 2 to 8 °C. Antibody without azide - store at -20 to -80 °C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.

Research Areas

Immunology, Infectious Disease

Limitations and Warranty

This antibody is available for research use only and is not approved for use in diagnosis.There are no warranties, expressed or implied, which extend beyond this description. Company is not liable for any personal injury or economic loss resulting from this product.