cnio stop cancer

# CD63 | ***Validation File***

***TARGET*** CD63
***CLONE NAME*** KILL150A
***DESCRIPTION*** mouse monoclonal
***ANTIGEN USED*** YT and NK92 human cell lines
***ISOTYPE*** IgG1
***SPECIES REACTIVITY*** human
***LOCALIZATION*** membrane
***POSITIVE CONTROL*** tonsil
***STORAGE BUFFER*** Tissue culture supernatant: 0.02% sodium azide
Purified antibody: PBS plus 1%BSA and 0.02% sodium azide. MAb concentration: 1mg/ml
***STORAGE*** Aliquot and store at 4C. Do not freeze

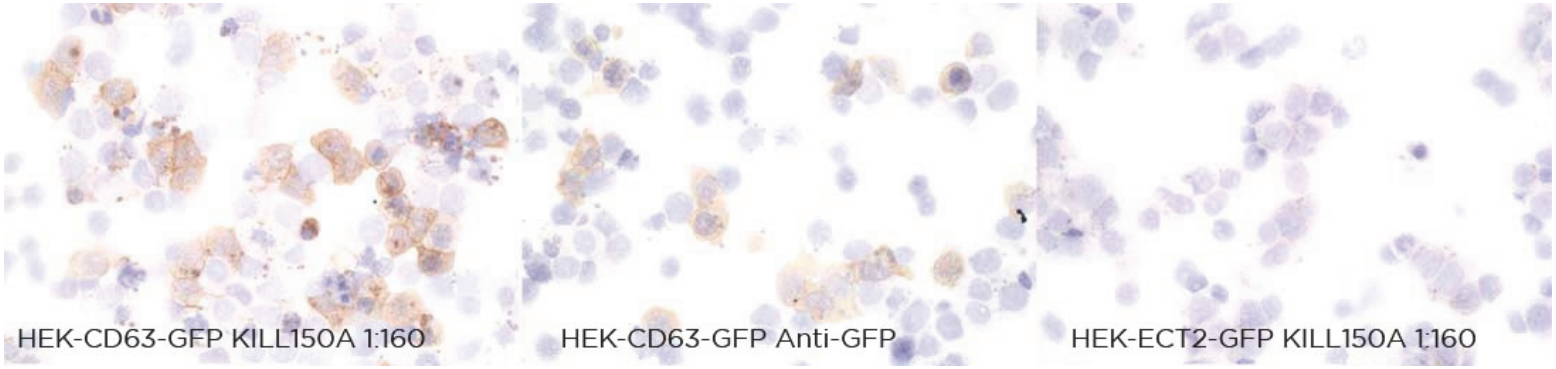
Recommended Inconclusive Not Recommended Not Tested

# APPLICATIONS

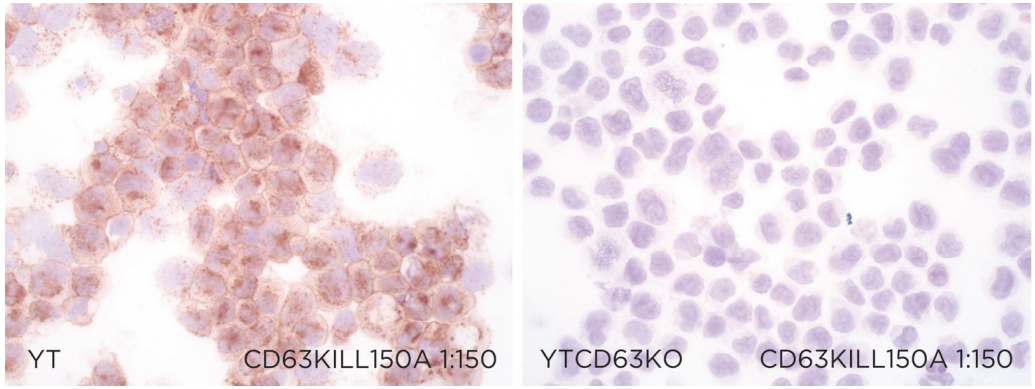
## | ICC | *Immunocytochemistry*

KILL150A mAb is able to detect human CD63 protein in immunocytochemistry.

To confirm that KILL150A mAb recognizes human CD63 protein, immunocytochemistry on frozen cytospins preparations of human CD63 expressed in HEK293 was performed. Anti GFP mAb was used as positive control. Cytospin preparation of human ECT2 protein was used as a negative control.




The specificity of KILL150A mAb for the endogenous CD63 protein was confirmed by ICC in cytospin preparations of the YT cell line before and after CD63 gene inactivation using CRISPR-Cas9 technology (YTCD63KO). Strong expression of CD63 was observed in wild type YT cells, while no staining was observed in YTCD63KO cells. The same results were confirmed by WB (see WB image).



## | WB | ***Western Blotting***

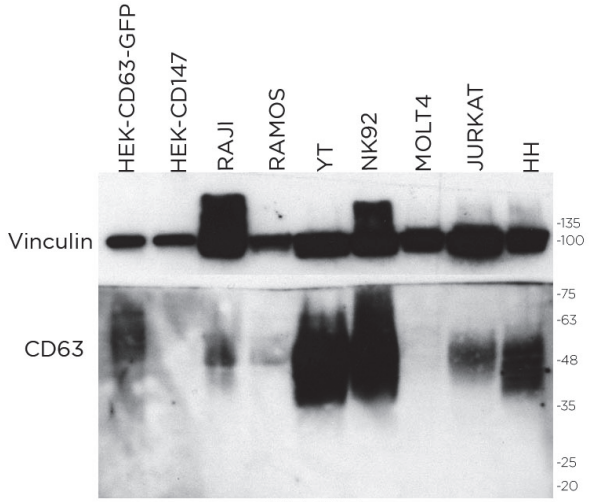
KILL150A mAb is able to detect human CD63 protein by WB.

***DILUTION*** KILL150A no dilution (neat supernatant)

***LANES***

Lane 1 Hek-CD63-GFP (10ug) (+)
Lane 2 Hek-CD147 (10ug) (-)
Lane 3 RAJI cell line (100ug) (+)
Lane 4 RAMOS cell line (100ug) (+)
Lane 5 YT cell line (100ug) (+)
Lane 6 NK92 cell line (100ug) (+)
Lane 7 MOLT4 cell line (100ug) (-)
Lane 8 JURKAT cell line (100ug) (+)
Lane 9 HH cell line (100ug) (+)

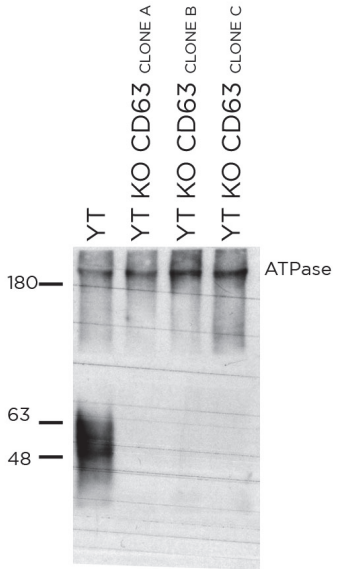
Predicted molecular weight: ***40-60kDa***
Observed molecular weight: ***30-60kDa (Glycosylation)***



KILL150A

***LANES***

Lane 1 YT cell line (100ug) (+)
Lane 2 YT KO CD63 CLONE A (100ug) (-)
Lane 3 YT KO CD63 CLONE B (100ug) (-)
Lane 4 YT KO CD63 CLONE C (100ug) (-)

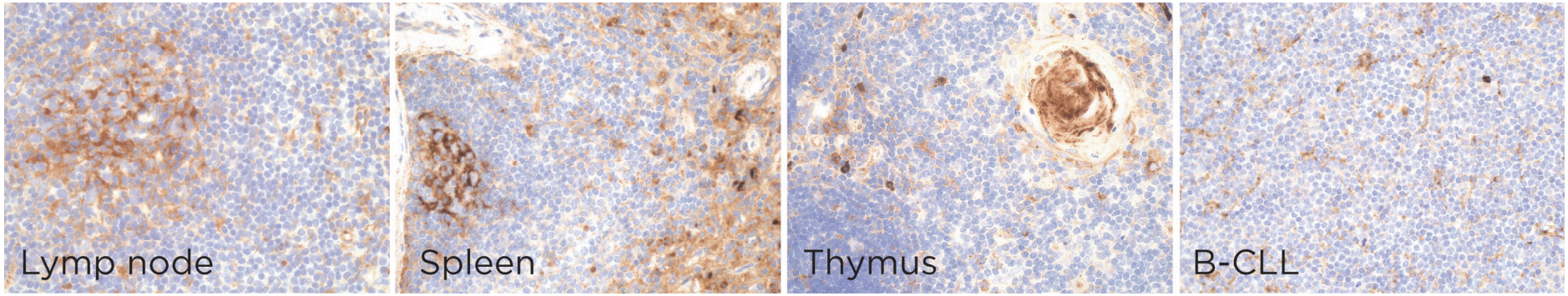


Anti-CD63 KILL150A 1:300

## | IHC-P | ***Immunohistochemistry (paraffin)***

KILL150A antibody can be used to detect CD63 protein in human paraffin tissues.

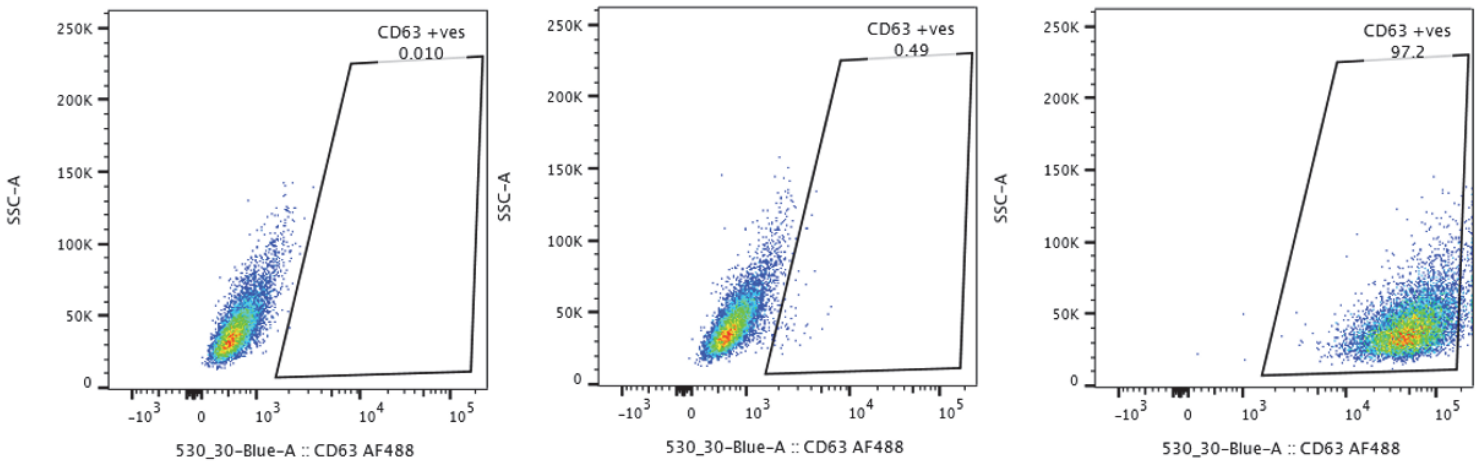
***TISSUE SAMPLE*** Human lymph node, spleen, thymus and B Chronic lymphocytic leukemia (B-CLL)
***DILUTION*** 1:30 (supernatant)
1:200 purified antibody
***ANTIGEN RETRIEVAL*** 20 minutes ER2 (Tris-EDTA)
***DETECTION SYSTEM*** Novolink kit (BondMax Leica)



## | FC | ***Flow Cytometry***

KILL150A antibody can be used to detect CD63 protein in flow cytometry technique.

***SAMPLE*** Human YT cell line
***DILUTION*** 1:400 purified antibody




YT cells alone | YT cells+secondary Ab | YT cells+KILL150A

| IF | ***Immunofluorescence (paraffin)*** Not tested

| IP | ***Immunoprecipitation*** Not tested

| IHC-F | ***Immunohistochemistry (frozen)*** Not tested

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