

MASTL | Validation File

TARGET Human MASTL

CLONE NAME RIPLY 74C

DESCRIPTION mouse monoclonal

ANTIGEN USED GST-hMASTL recombinant full-length protein

ISOTYPE IgG1

SPECIES REACTIVITY Human and mouse

LOCALIZATION Nuclear

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

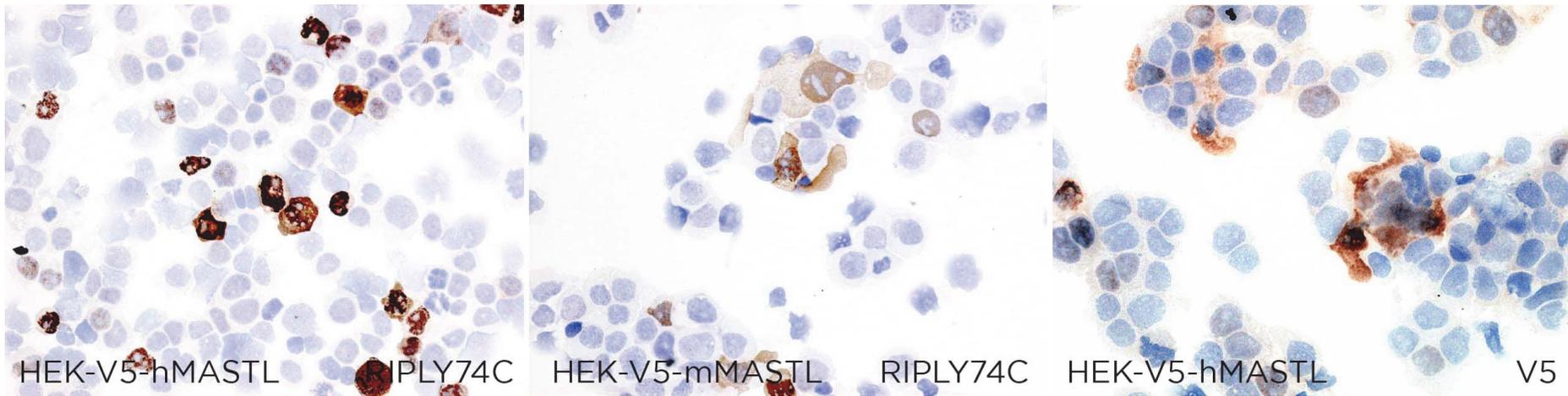
 Not Tested

APPLICATIONS

● | ICC | *Immunocytochemistry*

RIPLY74C is able to detect human and mouse MASTL protein in immunocytochemistry

To confirm that RIPLY74C mAb recognizes human and mouse MASTL proteins, immunocytochemistry on frozen cytospin preparations of V5-tagged human and mouse MASTL expressed in HEK293 was performed. Anti-V5 was used as positive control.



● | WB | **Western Blotting**

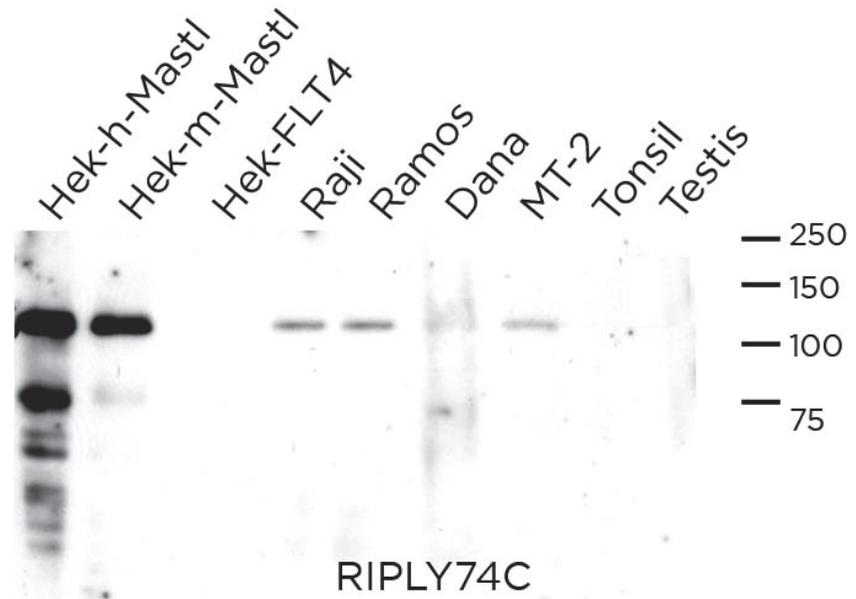
RIPLY 74C mAb is able to detect human MASTL protein by WB.

DILUTION 1:50 purified antibody

Predicted molecular weight: **97kDa**
Observed molecular weight: **120kDa**

LANES

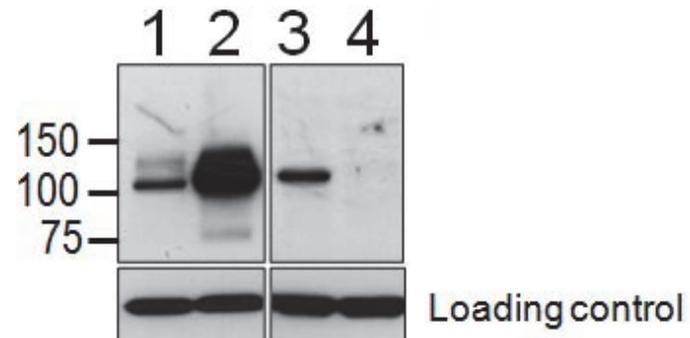
- Lane 1 Hek-hMASTL transfected cells (20ug) (+)
- Lane 2 Hek-mMASTL transfected cells (20ug) (+)
- Lane 3 Hek-FLT4 transfected cells (20ug) (-)
- Lane 4 Raji cell line (100ug) (+)
- Lane 5 Ramos cell line (100ug) (+)
- Lane 6 Dana cell line (100ug) (+)
- Lane 7 MT-2 cell line (100ug) (+)
- Lane 8 human tonsil (100ug) (-)
- Lane 9 Human testis (100ug) (-)



LANES

- Lane 1 293T mock transfected cells (40ug)
- Lane 2 293T V5-mMASTL transfected cells (40ug)
- Lane 3 HeLa shCtrl transfected cells (40ug)
- Lane 4 HeLa shMASTL transfected cells (40ug)

GAPDH was used as loading control



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

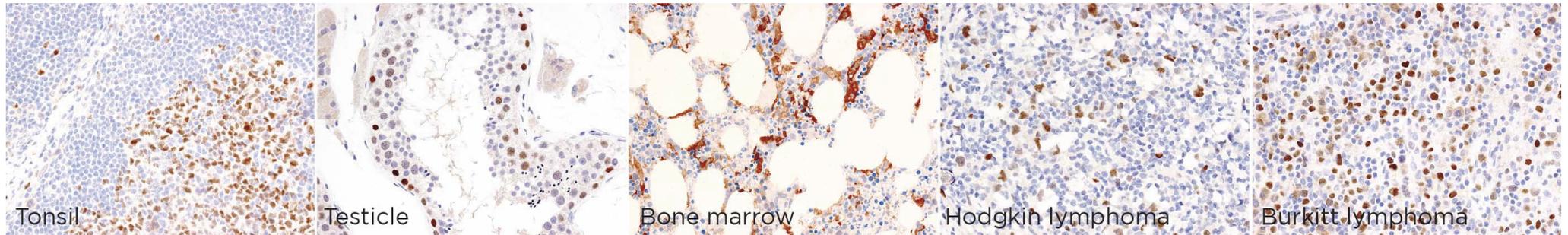
RIPLY74C mAb can be used to detect MASTL protein in human paraffin tissues.

TISSUE SAMPLE human tonsil, testicle, bone marrow, Hodgkin and Burkitt lymphoma.

DILUTION 1:15 supernatant
1:50 purified antibody

ANT. RETRIEVAL 20 minutes ER2 (Tris-EDTA)

DETECTION SYSTEM Novolink kit (BondMax Leica)



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

● | FC | **Flow Cytometry** Not tested

● | IP | **Immunoprecipitation** Not Tested

● | IHC-F | **Immunohistochemistry (frozen)** Not Tested

SOLD BY Abcam

REFERENCES

Álvarez-Fernández M, Sanz-Flores M, Sanz-Castillo B, Salazar-Roa M, Partida D, Zapatero-Solana E, Ali HR, Manchado E, Lowe S, VanArsdale T, Shields D, Caldas C, Quintela-Fandino M, Malumbres M. Therapeutic relevance of the PP2A-B55 inhibitory kinase MASTL/Greatwall in breast cancer. *Cell Death Differ.* 2018 May;25(5):828-840.