mCD20 | ***Validation File***

TARGET mouse CD20 (B-lymphocyte antigen CD20/Ms4a1)
CLONE NAME GOT214A
DESCRIPTION rat monoclonal
ANTIGEN USED RBL-1-mCD20 transfected cells
ISOTYPE IgG2a
SPECIES REACTIVITY mouse
LOCALIZATION membrane
POSITIVE CONTROL mouse spleen
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

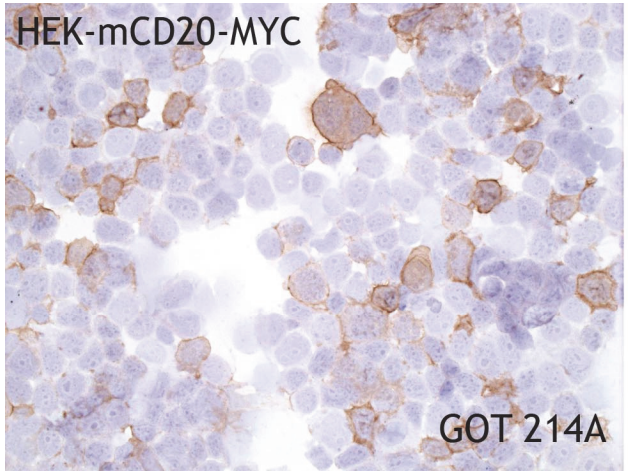
APPLICATIONS

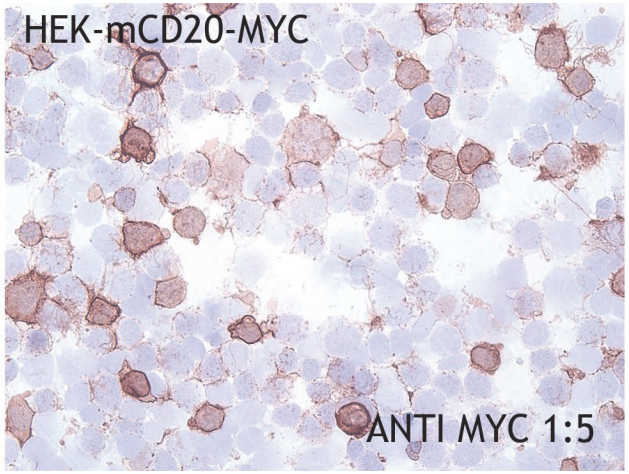
| ICC | ***Immunocytochemistry***

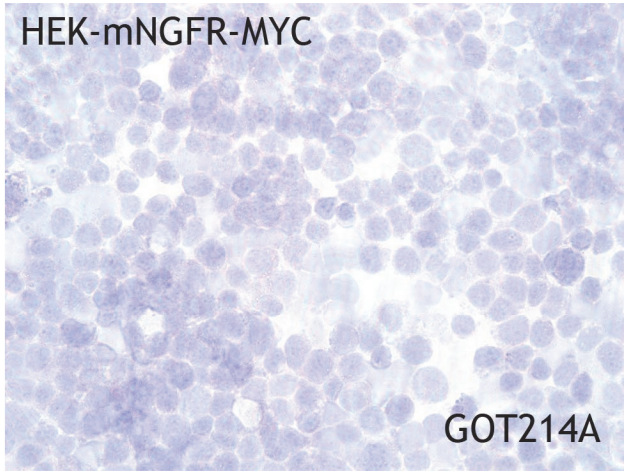
GOT214A mAb is able to detect mouse CD20 protein in immunocytochemistry

DILUTION no dilution (neat supernatant)

To confirm that GOT214A mAb recognizes mouse CD20 protein, immunocytochemistry on frozen cytospins preparation of mouse CD20 expressed in HEK293T was performed. Anti-MYC Ab was used as a positive control. Cytospin preparation of mouse NGFR transfected cells was used as negative control.







| WB | ***Western Blotting***

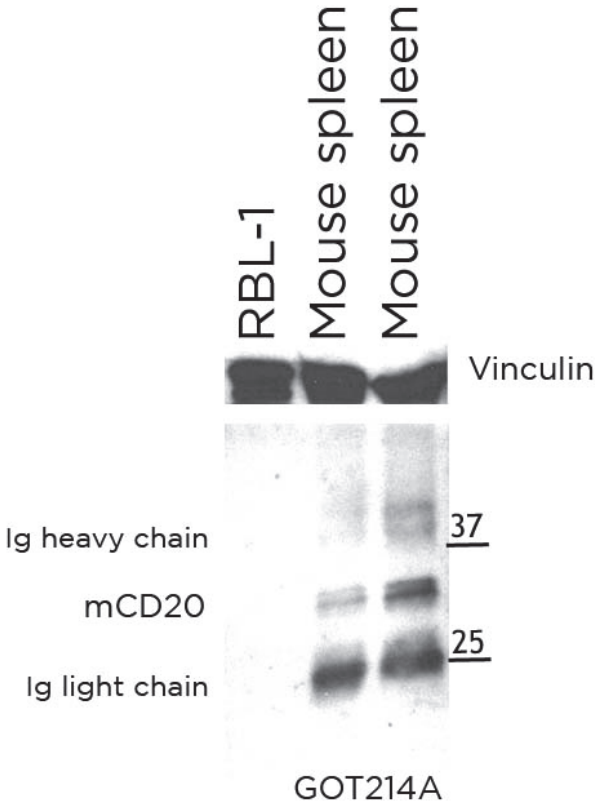
GOT214A mAb is able to detect mouse CD20 protein by WB.

DILUTION no dilution (neat supernatant)
1:200 purified antibody (1mg/ml)

Predicted molecular weight: ***32kDa***
Observed molecular weight: ***32kDa***

LANES

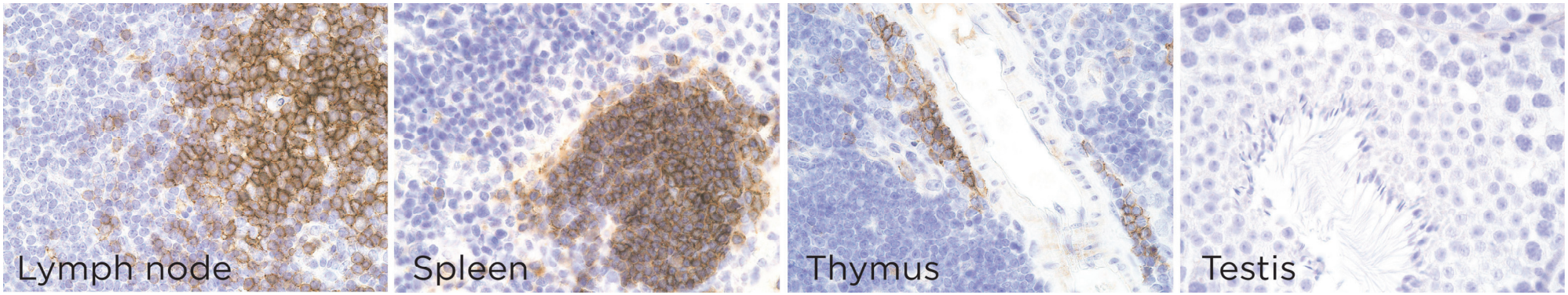
Lane 1 rat RBL-1 cell line (80ug) (-)
Lane 2 Mouse spleen extract (80ug) (+)
Lane 3 Mouse spleen extract (100ug) (-)



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

GOT214A mAb can be used to detect mouse CD20 protein in mouse paraffin tissues

TISSUE SAMPLE mouse lymph node, spleen, thymus and testis.
DILUTION 1:15 dilution (supernatant)
ANT. RETRIEVAL Heat High pH9 at 95ºC 20 min
DETECTION SYSTEM Autostainer Link® (Dako, Agilent). Rabbit anti-rat Vector + Novolink Polymer

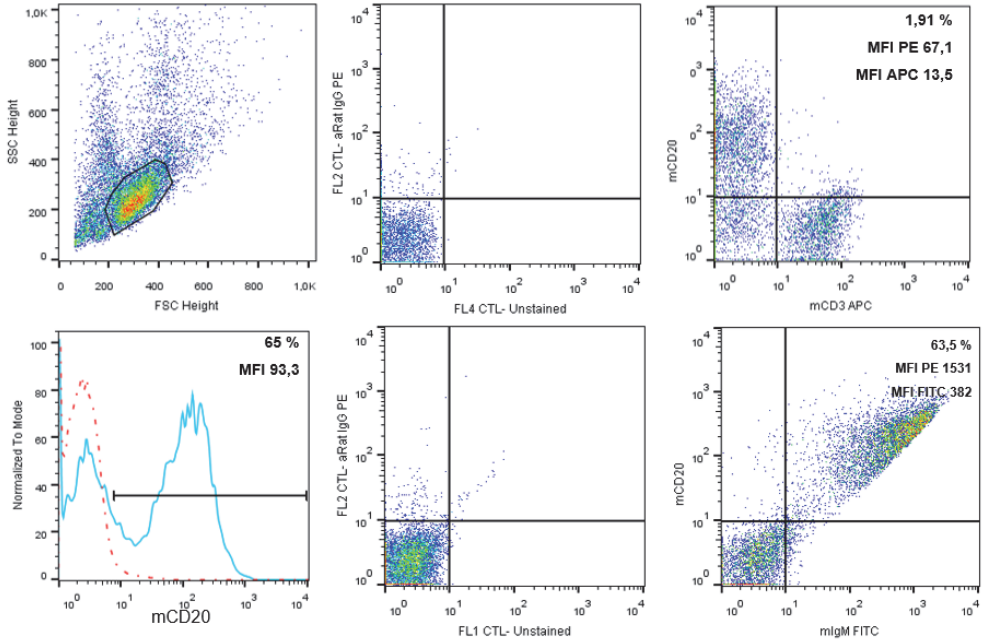


| FC | ***Flow cytometry***

GOT214A mAb can be used to detect mouse CD20 protein by flow cytometry

Double immunolabelling with mCD3 and mIgM were used to test GOT214A clone.

TISSUE SAMPLE mouse spleen
DILUTION 1:400 (purified antibody)



| IP | ***Immunoprecipitation*** No tested

| IHC-F | ***Immunohistochemistry (frozen)*** No tested

| IF | ***Immunofluorescence (paraffin)*** No tested

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