

# PRDM1/BLIMP1 | Validation File

TARGET Human PRDM1/BLIMP1 alpha and beta isoforms
CLONE NAME ROS195G
DESCRIPTION Mouse monoclonal
ANTIGEN USED GST-PRDM1 (full length protein)
ISOTYPE IgG1
SPECIES REACTIVITY Human and mouse
LOCALIZATION Nuclear
POSITIVE CONTROL Tonsil
STORAGE BUFFER Tissue culture supernatant: 0.02% sodium azide
STORAGE Aliquot and store at 4C. Do not freeze









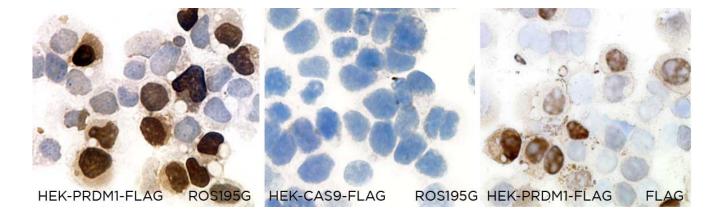
# **APPLICATIONS**



# | ICC | Immunocytochemistry

ROS195G is able to detect human PRDM1/Blimp1 protein in immunocytochemistry

To confirm that ROS195G mAb recognizes human PRDM1/Blimp1 protein, immunocytochemistry on frozen cytospin preparations of Flag-tagged human PRDM1 expressed in HEK293T cell line was performed. HEK-CAS9-FLAG transfected cells were used as negative control.



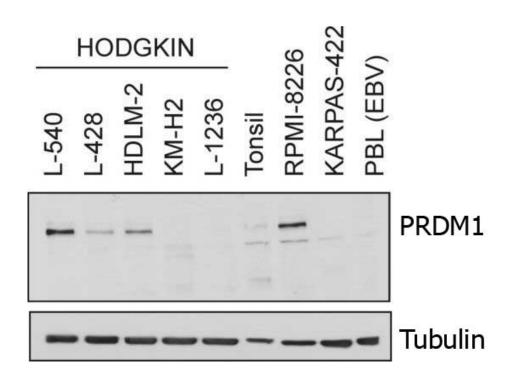


ROS195G mAb is able to detect human PRDM1 protein by WB.

**DILUTION** neat supernatant

#### **LANES**

Lane 1 L-540	(200ug) (+)
Lane 2 L-428	(200ug) (+)
Lane 3 HDLM-2	(200ug) (+)
Lane 4 KMH2	(200ug) (-)
Lane 5 L1236	(200ug) (-)
Lane 6 Human tonsil	(200ug) (+)
Lane 7 RPMI-8226	(200ug) (+)
Lane 8 KARPAS 422	(200ug) (+)
Lane 9 PBL (EBV)	(200ug) (+)



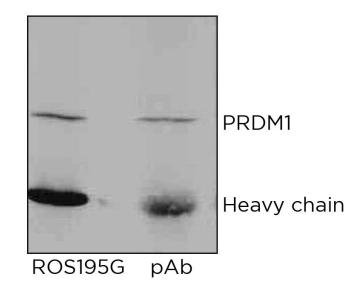
# **■ | IP | Immunoprecipitation**

Immunoprecipitation of protein extracts from normal human tonsil with ROS195G antibody and a specific polyclonal antibody (kindly provided by Dr. Mark M. Davis, USA) followed by WB with ROS195G antibody.

**DILUTION** Mouse antibody ROS195G was used as undiluted supernatant (40ul/lane) and anti-PRDM1 polyclonal was used 1:150.

#### **RESULTS:**

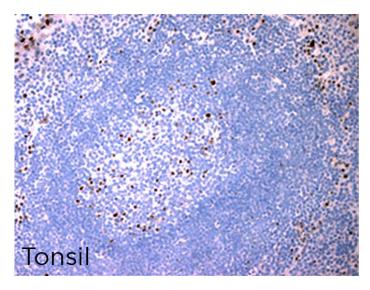
Immunoprecipitation of protein extracts from normal tonsil with the anti-PRDM1 ROS195G antibody and with one anti-PRDM1 policional followed by western blotting with the ROS195G antibody (neat). In both cases it is possible to observe a specific band of 95kDa confirming antibody specificity.





ROS195G mAb can be used to detect PRDM1/Blimp1 protein in human frozen tissues.

TISSUE SAMPLE Human tonsil DILUTION neat supernatant

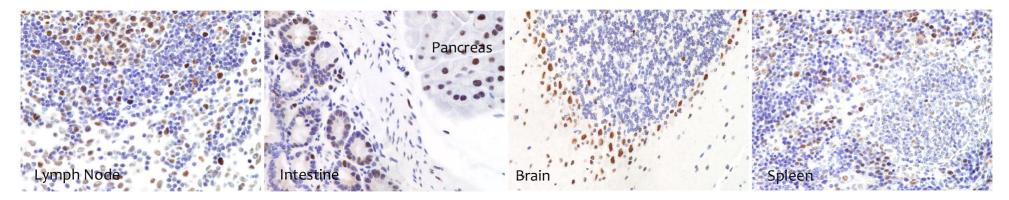




# | M-IHC-P | Immunohistochemistry (paraffin)

ROS195G mAb can be used to detect Blimp1 protein in mouse human paraffin tissues

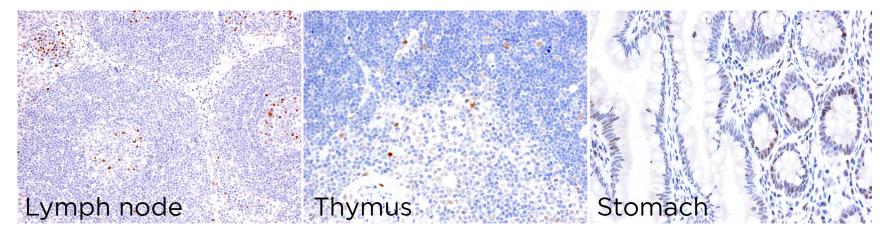
**TISSUE SAMPLE** mouse lymph node, intestine, brain and spleen **DILUTION** Neat supernatant **DETECTION SYSTEM** Discovery XT (Ventana) CC1 OmniMap





ROS195G mAb can be used to detect PRDM1 protein in human paraffin tissues

TISSUE SAMPLE Human tonsil and bone marrow myeloma DILUTION 1:10
ANT. RETRIEVAL 20 minutes ER2 (Tris-EDTA)
DETECTION SYSTEM Novolink kit (BondMax Leica)

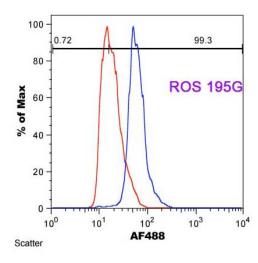




ROS195G mAb can be used to detect PRDM1 protein by Flow Cytometry

**TISSUE SAMPLE** human lymphoid cell lines (MOLT4 and OPM2) **DILUTION** 50ul ROS195G supernatant/one million cells/tube

RED: Negative cell line MOLT4 (T cell leukemia) BLUE: Positive cell line OPM2 (multiple myeloma)

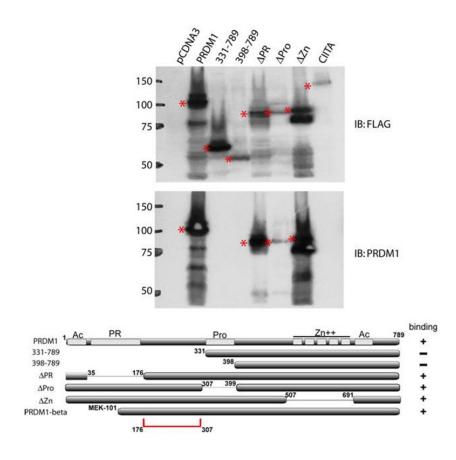


IF | Immunofluorescence (paraffin) Not Recommended

**SOLD BY:** Abcam and Active Motif

#### **Additional information**

ROS195G monoclonal antibody recognizes the site between amino acids 176 and 307 and is recognizing the two PRDM1/Blimp-1 isoforms. Work done by Dr K. Wright (Lee Moffitt Cancer Center).



#### REFERENCES

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