

Rabbit Anti-Lambda Light Chain [MD138R]: RM0117, RM0117RTU7

Intended Use: For Research Use Only

Description: Each immunoglobulin molecule consists of two identical heavy chains and two identical light chains. There are two types of light chains designated as kappa and lambda. The gene rearrangement process that generates the immunoglobulin molecule results in either a productive kappa or lambda gene. The lambda light chain antibody labels the lambda light chain that expresses normal and neoplastic B lymphocytes and plasma cells. Other cells may also express lambda light chain due to nonspecific uptake of immunoglobulin. Individual B cells express either kappa or lambda light chains. Monoclonality is generally assumed to be evidence of a malignant proliferation. The pairing of a kappa with a lambda light chain antibody is useful for identifying monoclonality of lymphoid malignancies.

Specifications

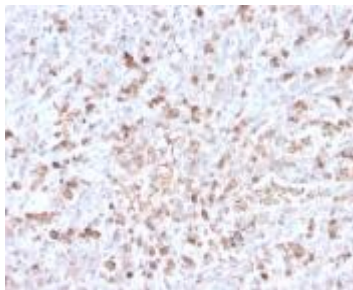
Clone:	MD138R
Source:	Rabbit
Isotype:	IgG
Reactivity:	Human
Immunogen:	Recombinant full-length human IGL protein
Localization:	Membrane, cytoplasm, secreted
Formulation:	Purified antibody in PBS pH7.4, containing BSA and ≤ 0.09% sodium azide (NaN ₃)
Storage:	Store at 2°- 8°C
Applications:	IHC
Package:	

Description	Catalog No.	Size
Lambda Light Chain Concentrated	RM0117	1 ml
Lambda Light Chain Prediluted	RM0117RTU7	7 ml

IHC Procedure*

Positive Control Tissue:	Tonsil, B cell lymphoma
Concentrated Dilution:	50-200
Pretreatment:	Tris EDTA pH9.0, 15 minutes using Pressure Cooker, or 30-60 minutes using water bath at 95°-99°C
Incubation Time and Temp:	30-60 minutes @ RT
Detection:	Refer to the detection system manual

* Result should be confirmed by an established diagnostic procedure.



FFPE human tonsil stained with anti-Lambda using DAB

References

1. Prognostic value of free light chains lambda and kappa in early multiple sclerosis. Voortman MM, et al. Mult Scler. Nov 29, 2016.
2. Hsp70 inhibition induces myeloma cell death via the intracellular accumulation of immunoglobulin and the generation of proteotoxic stress. Zhang L, et al. Cancer Lett 339:49-59, 2013.

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