Technical Data Sheet

InVivoMAb anti-mouse CD30L (CD153)

Attention: Use of this product constitutes an agreement to Bio X Cell's Terms and Conditions which are included with this product in print and can also be found at https://bioxcell.com/terms-and-conditions.

Lot Specific Information

Lot Number: **Lot Specific***
Volume: **Lot Specific***
Concentration: **Lot Specific* (generally 4 to 11 mg/ml) ***
Total Protein: **Lot Specific***

*This information will be noted on the certificate of analysis that ships with this product.

Product Information

Catalog Number:	**BE0487**
Clone:	**RM153**
Isotype:	Rat IgG2b
Recommended Isotype Control(s):	InVivoMAb rat IgG2b isotype control, anti-keyhole limpet hemocyanin
Recommended Dilution Buffer:	InVivoPure pH 7.0 Dilution Buffer
Immunogen:	Murine CD153 (CD30L)-transfected CHO cell
Reported Applications:	Flow cytometry *in vivo* blocking Functional assays *in vivo* depletion of CD30L + T cells
Formulation:	PBS, pH 7.0 Contains no stabilizers or preservatives
Endotoxin:	≤1EU/mg (≤0.001EU/µg) Determined by LAL assay
Purity:	≥95% Determined by SDS-PAGE
Sterility:	0.2 µm filtered
Production:	Purified from cell culture supernatant in an animal-free facility
Purification:	Protein G
RRID:	
Molecular Weight:	150 kDa

Description

The RM153 monoclonal antibody reacts with mouse CD153, also known as CD30 ligand (CD30L) or TNFSF8 - a type II transmembrane glycoprotein and member of the TNF superfamily. CD153 is expressed on activated T cells (both Th1 and Th2 subsets, transiently after anti-CD3 stimulation), B cells, neutrophils, eosinophils, macrophages, and mast cells, and engages its cognate receptor CD30 (TNFRSF8) on activated lymphocytes. CD30-CD153 signaling regulates T cell co-stimulation, B cell isotype switching, and memory T cell responses. The RM153 antibody (rat IgG2b) blocks CD30 binding to CD153 (Shimozato et al., 1999; PMID 10080930) and is suitable for in vivo blocking, selected in vivo depletion, and flow cytometric characterization of CD153 in murine models of immune regulation, autoimmunity, and transplantation.

Storage

Store at the stock concentration at 4°C . **Do not freeze.**
It is not uncommon for a floccule or precipitate to appear during storage. The floccule is typically buffer salts precipitating out of solution or a small bit of protein aggregation. For information on how to remove floccules or precipitates see our FAQ's at https://bioxcell.com/faqs.

Protocol Information

Since applications vary, each investigator should use the application references as a guide to help estimate the appropriate dose or concentration. The dose or concentration can be further optimized experimentally in a dose response or titration experiment.

Application References

For a complete list of references, visit ?utm_source=cr9k1b#tab_references or scan the QR code below.

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