Technical Data Sheet

InVivoMAb anti-mouse RANKL (CD254)

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:	**BE0191**
Clone:	**IK22/5**
Isotype:	Rat IgG2a, κ
Recommended Isotype Control(s):	InVivoMAb rat IgG2a isotype control, anti-trinitrophenol
Recommended Dilution Buffer:	InVivoPure pH 6.5 Dilution Buffer
Immunogen:	NSO-derived recombinant mouse RANKL
Reported Applications:	*in vivo* RANKL blockade
Formulation:	PBS, pH 6.5 Contains no stabilizers or preservatives
Endotoxin:	<2EU/mg (<0.002EU/μg) Determined by LAL gel clotting 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:	AB_10949003
Molecular Weight:	150 kDa

Description

The IK22/5 monoclonal antibody reacts with mouse RANKL (receptor activator of nuclear factor kappa-B ligand) also known as CD254 and TRANCE (TNF-related activation-induced cytokine). RANKL is a 35 kDa type II membrane protein that belongs to the TNF superfamily. RANKL is expressed on activated T lymphocytes in the lung, thymus, and lymph nodes and on osteoclasts. RANKL has been implicated in the regulation of T cell and dendritic cell interactions as well as osteoclast differentiation. Additionally, RANKL was found to be critical for osteoclast differentiation.

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 https://bioxcell.com/catalogsearch/result/?q=BE0191#tab_references or scan the QR code below.

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