

# Technical Data Sheet

InVivoMAb anti-mouse/human/rat v-H-Ras



**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: BE0139  
Clone: Y13-238  
Isotype: Rat IgG2a  
Recommended Isotype Control(s): InVivoMAb rat IgG2a isotype control, anti-trinitrophenol  
Recommended Dilution Buffer: InVivoPure pH 7.0 Dilution Buffer  
Immunogen: Harvey murine sarcoma virus infected NRK cells  
Reported Applications: Immunoprecipitation  
Formulation: PBS, pH 7.0  
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\\_10951512](https://abnova.com/AB_10951512)  
Molecular Weight: 150 kDa

## Description

The Y13-238 monoclonal antibody reacts with human, mouse, and rat v-H-ras (within amino acids 120-138) and does not react with v-K-ras. v-H-ras binds GTP/GDP and has intrinsic GTPase activity. Ras proteins alternate between an inactive form bound to GDP and an active form bound to GTP, activated by a guanine nucleotide-exchange factor (GEF) and inactivated by a GTPase-activating protein (GAP). Under normal conditions, Ras family members influence cell growth and differentiation events. Mutations in the Ras family of proto-oncogenes are very common, being found in 20% to 30% of all human tumors. Ras point mutations are the single most common abnormality of human proto-oncogenes. The Y13-238 antibody does not neutralize ras GTPase binding and hydrolysis in vivo or in vitro.

## 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=BE0139#tab\\_references](https://bioxcell.com/catalogsearch/result/?q=BE0139#tab_references) or scan the QR code below.



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*Not for resale.*

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