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:	≤1EU/mg (≤0.001EU/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
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/be0139?bxcs=9k1b3a#tab_references or scan the QR code below.

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