

# Technical Data Sheet

## InVivoMAb anti-mouse VISTA



**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:** BE0310  
**Clone:** 13F3  
**Isotype:** Armenian hamster IgG  
**Recommended Isotype Control(s):** InVivoMAb polyclonal Armenian hamster IgG  
**Recommended Dilution Buffer:** InVivoPure pH 7.0 Dilution Buffer  
**Immunogen:** EL4 cells overexpressing mouse VISTA-RFP and then boosted with VISTA-Ig fusion protein  
**Reported Applications:** *in vivo* blocking of VISTA signaling  
*in vitro* blocking of VISTA signaling  
Flow cytometry  
**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 filtration  
**Production:** Purified from cell culture supernatant in an animal-free facility  
**Purification:** Protein A  
**RRID:** [AB\\_2736990](https://abnova.com/AB_2736990)  
**Molecular Weight:** 150 kDa

### Description

The 13F3 monoclonal antibody reacts with mouse V-domain Ig suppressor of T cell activation (VISTA) also known as PD-1H and B7-H5. VISTA is a 309 aa type I transmembrane glycoprotein and a member of the Ig superfamily. VISTA is expressed on naïve and activated T cells, NK cells, macrophages, dendritic cells, and neutrophils. VISTA functions as a negative immune-checkpoint protein that suppresses T cell cytokine production and proliferation. VISTA is overexpressed by tumor-infiltrating lymphocytes, such as myeloid cells and regulatory T cells. Blockade of VISTA with the 13F3 antibody results in delayed tumor growth in mouse models of melanoma.

### 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.

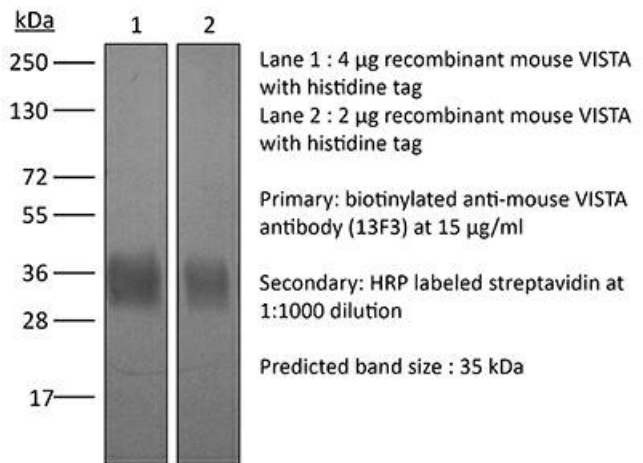
## Application References

For a complete list of references, visit [https://bioxcell.com/catalogsearch/result?q=BE0310#tab\\_references](https://bioxcell.com/catalogsearch/result?q=BE0310#tab_references) or scan the QR code below.



## Binding Validation

Validation data shown below confirms that this clone binds to its target antigen. For lot specific binding validation data, e-mail [technicalservice@bioxcell.com](mailto:technicalservice@bioxcell.com).



**Bio X Cell, LLC**  
<https://bioxcell.com>  
+1-866-787-3444  
[customerservice@bioxcell.com](mailto:customerservice@bioxcell.com)

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*Not for resale.*

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