Technical Data Sheet

RecombiMAb 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:	**CP053**
Clone:	**13F3-CP053**
Isotype:	Mouse IgG2a
Recommended Isotype Control(s):	RecombiMAb mouse IgG2a isotype control, anti-hen egg lysozyme
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* *Reported for the original Armenian hamster IgG 13F3 antibody
Formulation:	PBS, pH 7.0 Contains no stabilizers or preservatives
Endotoxin:	≤0.5EU/mg (≤0.0005EU/µg) Determined by LAL assay
Purity:	≥95% Determined by SDS-PAGE
Sterility:	0.2 µm filtration
Production:	Purified from HEK293 cell supernatant in an animal-free facility
Purification:	Protein A
Aggregation:	<5% Determined by SEC
RRID:	
Molecular Weight:	150 kDa

Murine Pathogen Test Results

Mouse Norovirus: Negative, Mouse Parvovirus: Negative, Mouse Minute Virus: Negative, Mouse Hepatitis Virus: Negative, Reovirus Screen: Negative, Lymphocytic Choriomeningitis virus: Negative, Lactate Dehydrogenase-Elevating Virus: Negative, Mouse Rotavirus: Negative, Theiler's Murine Encephalomyelitis: Negative, Ectromelia/Mousepox Virus: Negative, Hantavirus: Negative, Polyoma Virus: Negative, Mouse Adenovirus: Negative, Sendai Virus: Negative, Mycoplasma Pulmonis: Negative, Pneumonia Virus of Mice: Negative, Mouse Cytomegalovirus: Negative, K Virus: Negative

Description

The 13F3-CP053 monoclonal antibody is a chimeric version of the original 13F3 antibody. The variable domain sequences are identical to the original 13F3 but the constant region sequences have been switched from Armenian hamster IgG to mouse IgG2a. The 13F3-CP053 antibody contains no Fc mutations just as the original hamster IgG antibody does not. The 13F3-CP053 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 original 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

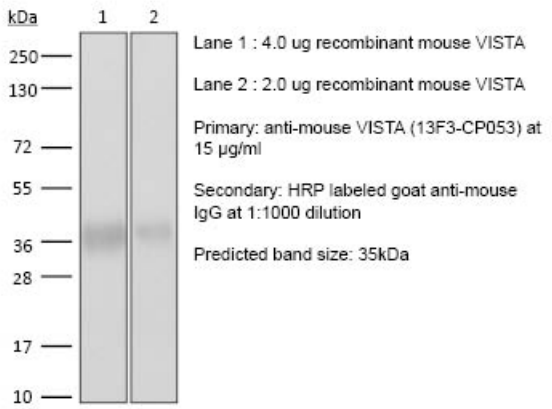
Since applications vary, each investigator should use the application references as a guide to help estimate the appropriate dose or concentration. The dose or concentration can be further optimized experimentally in a dose response or titration experiment.

Application References

For a complete list of references, visit https://bioxcell.com/cp053?bxcs=9k1b3a#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.



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