Technical Data Sheet

InVivoMAb anti-human 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:	**BE0436**
Clone:	**GG8**
Isotype:	Mouse IgG1, κ
Recommended Isotype Control(s):	InVivoMAb mouse IgG1 isotype control, unknown specificity
Recommended Dilution Buffer:	InVivoPure pH 7.0 Dilution Buffer
Immunogen:	Not available or unknown
Reported Applications:	Immunohistochemistry-paraffin Flow cytometry
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 filtration
Production:	Purified from cell culture supernatant in an animal-free facility
Purification:	Protein G
RRID:	
Molecular Weight:	150 kDa

Description

The GG8 monoclonal antibody reacts with human VISTA (V-type immunoglobulin domain-containing suppressor of T cell activation), which is a negative checkpoint regulator (NCR) from the B7 family. Several in vitro and in vivo studies have demonstrated that the VISTA protein acts as a ligand as well as a receptor. VISTA is mainly expressed by myeloid cells and T cells, and in the CNS, VISTA is also expressed by microglial and endothelial cells. Unlike other NCR proteins, VISTA is expressed on naïve T cells, wherein its expression is negatively regulated by T cell activation. Besides its role in regulation of T cell quiescence (i.e., the suppression of T cells), VISTA is involved in efferocytosis, cytokine production (IL-10, IFN-gamma, and TNF-alpha), and chemotaxis in myeloid cells.

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/be0436?bxcs=9k1b3a#tab_references or scan the QR code below.

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