

Technical Data Sheet

InVivoMAb anti-mouse CD155 (PVR)



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: BE0492
Clone: 4.24
Isotype: Rat IgG2a, κ
Recommended Isotype Control(s): InVivoMAb rat IgG2a isotype control, anti-trinitrophenol
Recommended Dilution Buffer: InVivoPure pH 7.0 Dilution Buffer
Immunogen: A recombinant protein consisting of the mCD155 extracellular region fused to human Fc
Reported Applications: *in vivo* neutralization of CD155
in vitro neutralization of CD155
Flow cytometry
Formulation: PBS, pH 7.0
Contains no stabilizers or preservatives
Endotoxin: ≤ 1 EU/mg (≤ 0.001 EU/ μ g)
Determined by LAL assay
Purity: $\geq 95\%$
Determined by SDS-PAGE
Sterility: 0.2 μ m filtered
Production: Purified from cell culture supernatant in an animal-free facility
Purification: Protein G
RRID:
Molecular Weight: 150 kDa

Description

The 4.24 monoclonal antibody reacts with mouse CD155 antigen, also known as PVR (poliovirus receptor) homolog, Tage4, Taa1, and HVED. CD155 belongs to nectins, a subfamily of immunoglobulin-like adhesion receptors. CD155 is a cell adhesion molecule that is expressed on a range of cells of hematopoietic as well as epithelial lineages. CD155 is overexpressed in melanoma, pulmonary adenocarcinoma, hepatocellular carcinoma, neuroblastoma, and the cancers of ovarian, pancreatic, colon, and bladder tissues. At the subcellular level, CD155 has a membrane-bound form consisting of a transmembrane domain and also has an extracellular secreted form. CD155 is co-expressed with CD112 (nectin 2, PRR 2) on myeloid cells, endothelial cells, and various tumors, and these molecules are essential to cell-cell adhesion, lymphocyte signaling, cytotoxicity, and lymphokine secretion mediated by cytotoxic T-cells and NK cells. By acting as a ligand for some immune-inhibitory receptors (TIGIT, CD96, and KIR2DL5A) as well as immune-activating receptors such as CD226 (DNAM-1), CD155 forms a complex axis to mediate oncologic immunity. CD155 is functionally related to PD-L1, and its role is emerging as a broadly expressed immune checkpoint ligand in solid tumors.

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/be0492?bxcs=9k1b3a#tab_references or scan the QR code below.



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