

Product Datasheet

V alpha 24 J alpha 18 TCR Antibody (6B11) - BSA Free NBP2-00267

Unit Size: 0.1 mg

Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.

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NBP2-00267

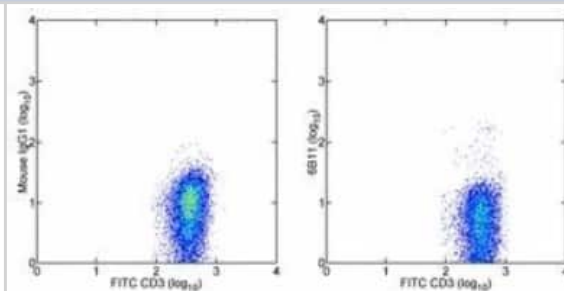
V alpha 24 J alpha 18 TCR Antibody (6B11) - BSA Free

| Product Information | |
|------------------------------------|--|
| Unit Size | 0.1 mg |
| Concentration | 1.0 mg/ml |
| Storage | Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles. |
| Clonality | Monoclonal |
| Clone | 6B11 |
| Preservative | 0.02% Sodium Azide |
| Isotype | IgG1 Kappa |
| Purity | Protein G purified |
| Buffer | PBS |
| Product Description | |
| Host | Mouse |
| Species | Human |
| Marker | iNKT Cells Marker |
| Immunogen | Peptide epitope in the CDR3 region of V alpha 24 |
| Product Application Details | |
| Applications | Flow Cytometry, Flow (Cell Surface), Immunocytochemistry/Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Frozen, CyTOF-ready |
| Recommended Dilutions | Flow Cytometry 1:10-1:1000, Immunohistochemistry, Immunocytochemistry/Immunofluorescence reported in scientific literature (PMID 16867051), Immunohistochemistry-Frozen reported in multiple pieces of scientific literature, Flow (Cell Surface), CyTOF-ready |
| Application Notes | This 6B11 antibody has been tested by flow cytometric analysis of normal human peripheral blood cells. This can be used at less than or equal to 1 ug per test. A test is defined as the amount (ug) of antibody that will stain a cell sample in a final volume of 100 ul. Cell number should be determined empirically but can range from 10 ⁵ to 10 ⁸ cells/test. It is recommended that the antibody be carefully titrated for optimal performance in the assay of interest. This antibody is CyTOF ready. |

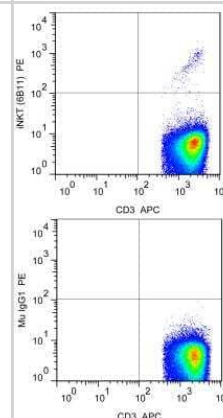


Images

Flow Cytometry: V alpha 24 J alpha 18 TCR Antibody (6B11) [NBP2-00267] - Staining of normal human peripheral blood mononuclear cells with Anti-Human CD3 FITC and 1.0 ug of Mouse IgG1 K Isotype Control Purified (left) or 1.0 ug of Anti-Human V alpha 24 J alpha 18 TCR Purified (right) followed by F(ab')₂ Anti-Mouse IgG PE . CD



Flow (Cell Surface): V alpha 24 J alpha 18 TCR Antibody (6B11) [NBP2-00267] - A cell surface stain was performed on CD3+ hPBMCs with V alpha 24 J alpha 18 TCR antibody (6B11) NBP2-00267PE (top image) and a matched isotype control NBP2-27287 (bottom image). Cells were incubated in an antibody dilution of 1 ug/mL for 20 minutes at room temperature. Both antibodies were conjugated to Phycoerythrin. A co-stain was also performed using CD3 antibody NBP2-24867APC.



Publications

- Landoni E, Smith C, Fuca G, et al. Landoni E, Smith C, Fuca G, et al. *Cancer Immunol Res.* 2020-01-08 [PMID: 31719055] (ICC/IF, Human)
- van der Vliet HJ, Koon HB, Yue SC et al. Effects of the administration of high-dose interleukin-2 on immunoregulatory cell subsets in patients with advanced melanoma and renal cell cancer. *Clin Cancer Res.* 2007-04-01 [PMID: 17404092] (FLOW, Human)
- Pham-Thi N, de Blic J, Leite-de-Moraes MC. Invariant natural killer T cells in bronchial asthma. *N Engl J Med.* 2006-06-15 [PMID: 16775881] (FLOW, Human)
- Boyson JE, Rybalov B, Koopman LA et al. CD1d and invariant NKT cells at the human maternal-fetal interface. *Proc Natl Acad Sci U S A.* 2002-10-15 [PMID: 12368486] (FLOW, Human)
- Bollyky PL, Wilson SB. CD1d-restricted T-cell subsets and dendritic cell function in autoimmunity. *Immunol Cell Biol.* 2004-06-01 [PMID: 15186262] (FLOW, Human)
- Metelitsa LS, Wu HW, Wang H et al. Natural killer T cells infiltrate neuroblastomas expressing the chemokine CCL2. *J Exp Med.* 2004-05-03 [PMID: 15123743] (FLOW, IHC-Fr, Human)
- Berzins SP, Smyth MJ, Godfrey DI. Working with NKT cells--pitfalls and practicalities. *Curr Opin Immunol.* 2005-08-01 [PMID: 15963710] (IHC-Fr, FLOW, Human)
- Levy O, Orange JS, Hibberd P et al. Disseminated varicella infection due to the vaccine strain of varicella-zoster virus, in a patient with a novel deficiency in natural killer T cells. *J Infect Dis.* 2003-10-01 [PMID: 14513412] (FLOW, Human)
- Kis J, Engelmann P, Farkas K et al. Reduced CD4+ subset and Th1 bias of the human iNKT cells in Type 1 diabetes mellitus. *J Leukoc Biol.* 2007-03-01 [PMID: 17151140]
- Hou R, Goloubeva O, Neuberger DS et al. Interleukin-12 and interleukin-2-induced invariant natural killer T-cell cytokine secretion and perforin expression independent of T-cell receptor activation. *Immunology.* 2003-09-01 [PMID: 12941138] (FLOW, Human)
- Fuss IJ, Heller F, Boirivant M et al. Nonclassical CD1d-restricted NK T cells that produce IL-13 characterize an atypical Th2 response in ulcerative colitis. *J Clin Invest.* 2004-05-01 [PMID: 15146247] (FLOW, Human)
- Akbari O. The role of iNKT cells in development of bronchial asthma: a translational approach from animal models to human. *Allergy.* 2006-08-01 [PMID: 16867051] (ICC/IF, FLOW, Human)





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Products Related to NBP2-00267

| | |
|------------------|---|
| HAF007 | Goat anti-Mouse IgG Secondary Antibody [HRP] |
| NB720-B | Rabbit anti-Mouse IgG (H+L) Secondary Antibody [Biotin] |
| NBP1-43319-0.5mg | Mouse IgG1 Kappa Isotype Control (P3.6.2.8.1) |
| NBP2-00267APC | V alpha 24 J alpha 18 TCR Antibody (6B11) [Allophycocyanin] |

Limitations

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