

Product Datasheet

beta 2-Microglobulin Antibody (B2M/961) [Allophycocyanin] NBP2-47704APC

Unit Size: 0.1 ml

Store at 4C in the dark.

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NBP2-47704APC

beta 2-Microglobulin Antibody (B2M/961) [Allophycocyanin]

| Product Information | |
|-----------------------------|---|
| Unit Size | 0.1 ml |
| Concentration | Please see the vial label for concentration. If unlisted please contact technical services. |
| Storage | Store at 4C in the dark. |
| Clonality | Monoclonal |
| Clone | B2M/961 |
| Preservative | 0.05% Sodium Azide |
| Isotype | IgG2b Kappa |
| Conjugate | Allophycocyanin |
| Purity | Protein A or G purified |
| Buffer | PBS |
| Product Description | |
| Description | This conjugate is made on demand. Actual recovery may vary from the stated volume of this product. The volume will be greater than or equal to the unit size stated on the datasheet. |
| Host | Mouse |
| Gene ID | 567 |
| Gene Symbol | B2M |
| Species | Human, Primate |
| Reactivity Notes | Human and non-human primates. |
| Marker | Renal Failure & Tumor Marker |
| Specificity/Sensitivity | Recognizes a protein of 12kDa, identified as beta-2 microglobulin. Major histocompatibility complex (MHC) class 1 molecules bind to antigens for presentation on the surface of cells. The proteasome is responsible for producing these antigens from the components of foreign pathogens. MHC class 1 molecules consist of an alpha heavy chain that contains three subdomains (alpha1, alpha2, alpha3) and a non-covalent associating light chain, known as beta-2-Microglobulin. Beta-2-Microglobulin associates with the alpha3 subdomain of the alpha heavy chain and forms an immunoglobulin domain-like structure that mediates proper folding and expression of MHC class 1 molecules. The alpha1 and alpha2 domains of the alpha heavy chain form the peptide antigen-binding cleft. Mutations in the beta-2-Microglobulin gene can enhance the progression of malignant melanoma phenotypes. |
| Immunogen | Full length recombinant human beta 2-Microglobulin protein (Uniprot: P61769) |
| Product Application Details | |
| Applications | Western Blot, Flow Cytometry, Flow (Cell Surface), Immunocytochemistry/Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin, CyTOF-ready, Immunofluorescence |
| Recommended Dilutions | Western Blot, Flow Cytometry, Immunohistochemistry, Immunocytochemistry/Immunofluorescence, Immunohistochemistry-Paraffin, Flow (Cell Surface), Immunofluorescence, CyTOF-ready |
| Application Notes | Optimal dilution of this antibody should be experimentally determined. |





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Products Related to NBP2-47704APC

| | |
|-------------------|--|
| NBP1-43317APC | Mouse IgG2b Kappa Light Chain Isotype Control (MG2b) [Allophycocyanin] |
| NBP1-50840-0.01mg | Recombinant Human beta 2-Microglobulin His Protein |
| 210-TA-005 | TNF-alpha [Unconjugated] |
| KGE019 | beta 2-Microglobulin [Biotin] |

Limitations

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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