

# Product Datasheet

## **beta 2-Microglobulin Antibody (246-E9.E7 (same as HLA.ABC.m2)) [PE/Cy7] NBP2-47700PECY7**

Unit Size: 0.1 ml

Store at 4C in the dark. Do not freeze.

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**NBP2-47700PECY7**

beta 2-Microglobulin Antibody (246-E9.E7 (same as HLA.ABC.m2)) [PE/Cy7]

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. Do not freeze.
Clonality	Monoclonal
Clone	246-E9.E7 (same as HLA.ABC.m2)
Preservative	0.05% Sodium Azide
Isotype	IgG2a Kappa
Conjugate	PE/Cy7
Purity	Protein A or G purified
Buffer	PBS
Product Description	
Host	Mouse
Gene ID	567
Gene Symbol	B2M
Species	Human, Primate (Negative)
Reactivity Notes	Does not react with Non-Human primates.
Marker	Renal Failure & Tumor Marker
Specificity/Sensitivity	Recognizes a protein of 12kDa, identified as beta-microglobulin. Beta--microglobulin non-covalently associates with the 44kDa chain to form the HLA Class I antigen complex. Human beta-2 microglobulin associated with HLA Class I antigens is expressed on many types of cells including lymphocytes, thymocytes, monocytes, granulocytes, platelets, endothelial cells, and epithelial cells. It is absent on erythrocytes. This monoclonal antibody is specific to human beta-2 microglobulin and does not react with non-human primate cells. This antibody reacts with all cell types excluding erythrocytes. Detection of beta-2 microglobulin in body fluids has been used as a tumor marker and for monitoring patients with HIV infection.
Immunogen	Human PBL s from a T-cell acute lymphoblastic leukemia (T-ALL) patient
Product Application Details	
Applications	Flow Cytometry, CyTOF-ready, Immunofluorescence
Recommended Dilutions	Flow Cytometry, Immunofluorescence, CyTOF-ready
Application Notes	Optimal dilution of this antibody should be experimentally determined. For optimal results using our Tandem dyes, please avoid prolonged exposure to light or extreme temperature fluctuations. These can lead to irreversible degradation or decoupling. When staining intracellular targets, specific attention to the fixation and permeabilization steps in your flow protocol may be required. Please contact our technical support team at <a href="mailto:technical@novusbio.com">technical@novusbio.com</a> if you have any questions.





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### **Products Related to NBP2-47700PECY7**

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NBP1-96981PECY7	Mouse IgG2a Kappa Isotype Control (M2AK) [PE/Cy7]
NBP1-50840-0.01mg	Recombinant Human beta 2-Microglobulin His Protein
210-TA-005	TNF-alpha [Unconjugated]
KGE019	beta 2-Microglobulin [Biotin]

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### **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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