Product Datasheet

T Cell Exhaustion Marker (Flow) Antibody Pack NBP3-12864

Unit Size: 9 Vials

Storage is content dependent.

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NBP3-12864

T Cell Exhaustion Marker (Flow) Antibody Pack

Product Information		
Unit Size	9 Vials	
Concentration	Concentration of individual antibodies may be found on the vial label. If unlisted please contact technical services.	
Storage	Storage is content dependent.	
Buffer	See individual datasheets	
Product Description		
Description	The Human T Cell Exhaustion Marker Sample Pack (Flow) contains antibodies to detect expression of inhibitory receptors associated with T cell exhaustion including PD-1, CTLA-4, TIGIT, TIM-3, LAG-3 and VISTA. Immune cells expressing these inhibitory receptors are found during chronic viral infection and within the tumor microenvironment of many solid tumors. Also included are three PE-Conjugated secondary antibodies for fluorescent detection by flow cytometry.All antibodies have been validated for use in flow cytometry applications. This pack contains 1 vial each of: MAB10863-SP (25 ug): MAB3253-SP (25 ug) MAB7898-SP (25 ug) MAB7898-SP (25 ug) MAB71263-SP (25 ug) MAB71263-SP (25 ug) MAB23191-SP (25 ug) F0110 (25ug) (100 Tests) F0102B (100 Tests) F0105B (100 Tests)	
Species	Human	
Reactivity Notes	Antibodies in this pack are validated for use in the following species: MAB10863: Human MAB3253: Human MAB7898: Human MAB2365R: Human 	
Marker	T cell exhaustion	
Specificity/Sensitivity	Please see each vial's data sheet for specificity information specific to each product.	
Immunogen	See individual datasheets	
Kit Components	MAB10863-SP, MAB3253-SP, MAB7898-SP, MAB2365R-SP, MAB71263-SP, F0110: Goat anti-Rabbit IgG Secondary Antibody [Phycoerythrin], F0102B: Goat anti-Mouse IgG Secondary Antibody [Phycoerythrin], F0105B: Goat anti-Rat IgG Secondary Antibody [Phycoerythrin], MAB23191-SP	
Product Application Details		
Applications	Flow Cytometry, CyTOF-ready	
Recommended Dilutions	Flow Cytometry, CyTOF-ready	



Application Notes	Antibodies in this pack are validated for the following applications:
	MAB10863: CyTOF-ready, ELISA, Flow Cytometry, Western Blot MAB3253: CyTOF-ready, Flow Cytometry, Immunocytochemistry MAB7898: Blockade of Receptor-ligand Interaction, CyTOF-ready, Flow Cytometry MAB2365R: CyTOF-ready, Flow Cytometry MAB71263: CyTOF-ready, Flow Cytometry F0110: Flow Cytometry F0102B: Flow Cytometry F0105B: Flow Cytometry MAB23191: Flow Cytometry, Western Blot

Images

Flow Cytometry: T Cell Exhaustion Marker (Flow) - Human peripheral blood lymphocytes were stained with Mouse Anti-Human TIGIT Monoclonal Antibody (Catalog # MAB7898) followed by Allophycocyanin- conjugated Anti-Mouse IgG Secondary Antibody (Catalog# F0101B) and Mouse Anti-Human NCAM-1/CD56 PE-conjugated Monoclonal Antibody (Catalog# FAB2408P). Quadrant markers were set based on control antibody staining (Catalog# MAB0041).	
Flow Cytometry: T Cell Exhaustion Marker (Flow) - Mouse splenocytes were stained with Rat Anti-Mouse CD161/NK1.1 APC-conjugated Monoclonal Antibody (Catalog#: FAB7614A) and either (A) Rabbit Anti- Mouse KLRG1 Monoclonal Antibody (Catalog# MAB6944or (B) Normal Rabbit IgG Control (Catalog# AB-105-C) followed by Phycoerythrin- conjugated Anti-Rabbit IgG Secondary Antibody (Catalog# F0110) at 10 uL/10^6 cells.	
Flow Cytometry: T Cell Exhaustion Marker (Flow) - Human peripheral blood mononuclear cells (PBMCs) either (A) treated with 5 ng/mL PHA for 2 days or (B) untreated, were stained with Rabbit Anti-Human PD-1 Monoclonal Antibody (Catalog # MAB10863) followed by Allophycocyanin-conjugated Anti-Rabbit IgG Secondary Antibody (Catalog# F0111) and Mouse Anti-Human CD3 epsilon PE-conjugated Monoclonal Antibody (Catalog# FAB100P). Quadrant markers were set based on control antibody staining (Catalog# MAB1050).	red and a second

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Flow Cytometry: T Cell Exhaustion Marker (Flow) - NS0 mouse myeloma cell line transfected with human CTLA-4 and eGFP was stained with (A) 105 Rabbit Anti-Human CTLA-4 Monoclonal Antibody (Catalog # MAB3253) CTLA-4 or (B) Normal Rabbit IgG Control Antibody (Catalog# MAB1050) followed by APC-conjugated Goat anti-Rabbit IgG Secondary Antibody (Catalog# F0111). RbigG Flow Cytometry: T Cell Exhaustion Marker (Flow) - A cell surface stain was performed on U-937 cells with VISTA/B7-H5/PD-1H (730823) 500 antibody MAB71263PE (blue) and a matched isotype control (orange). 400 Relative Cell Number Cells were incubated in an antibody dilution of 2.5 ug/mL for 20 minutes at room temperature. Both antibodies were conjugated to phycoerythrin. 300 200 100 0 105 103 104 106 0 10 VISTA/B7-H5/PD-1H (730823) PE Copyright @ 2018 Novus Biologicals





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Limitations

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

For more information on our 100% guarantee, please visit www.novusbio.com/guarantee

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