

## PacOrange Anti-human CD100 Antibody \*133-1C6\*

Catalog number: 110001J0, 110001J1 Unit size: 100 tests, 500 tests

Storage Conditions2-8°C with minimized light exposure. Do not freeze.Expiration Date12 months upon receivingConcentration0.1 mg/mLFormulationPhosphate-buffered saline (PBS, pH 7.2), 0.09% sodium azide, 0.2% (w/v) BSASpecies ReactivityHumanClassPrimaryClonalityMonoclonalHostMouseIsotypeMouse IgMInmunogenCD100 (SEMA4D)Clone33-1C6ConjugatePacOrange		
Expiration Date 12 months upon receiving   Concentration 0.1 mg/mL   Formulation Phosphate-buffered saline (PBS, pH 7.2), 0.09% sodium azide, 0.2% (w/v) BSA   Antibody Properties Imman   Species Reactivity Human   Class Primary   Clonality Monoclonal   Host Mose IgM   Inmunogen O100 (SEMA4D)   Clongate PacOrange   Biological Properties PacOrange   Preparation Antibody purfied by affinity chromatography and then conjugated with PacOrange und optimal conditions   Application PacOrange   Conjugate	Product Details	
Concentration 0.1 mg/mL   Formulation Phosphate-buffered saline (PBS, pH 7.2), 0.09% sodium azide, 0.2% (v/y) BSA   Antibody Properties Antibody Properties   Species Reactivity Human   Class Primary   Clonality Monoclonal   Host Mouse IgM   Inmunogen CD100 (SEMA4D)   Clone 33-1C6   Conjugate Peorange   Preparation Antibody purified by affinity chromatography and then conjugated with PacOrange unde optimal conditions   Application For Oxtometry (FACS), Fluorescence Imaging   Conjugate PacOrange   Conjugate PacOrange   Conjugate Pio Querty (FACS), Fluorescence Imaging   Conjugate PioCrange   Conjugate PioCrange	Storage Conditions	2-8°C with minimized light exposure. Do not freeze.
Formulation Phosphate-buffered saline (PBS, pH 7.2), 0.09% sodium azide, 0.2% (w/v) BSA   Antibody Properties Muman   Species Reactivity Human   Class Primary   Clonality Monoclonal   Host Mouse   Isotype Mouse IgM   Inmunogen CD100 (SEMA4D)   Clonality PacOrange   Biological Properties PacOrange   Preparation Antibody purified by affinity chromatography and then conjugated with PacOrange under optimal conditions   Application PacOrange   Conjugate PacOrange	Expiration Date	12 months upon receiving
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Species Reactivity Human   Class Primary   Clonality Monoclonal   Host Mouse   Isotype Mouse IgM   Inmunogen CD100 (SEMA4D)   Clone 133-1C6   Conjugate PacOrange   Biological Properties PacOrange   Preparation Antibody purified by affinity chromatography and then conjugated with PacOrange unde optimal conditions   Application Flow Cytometry (FACS), Fluorescence Imaging   Spectral Properties Conjugate   Spectral Properties 400 nm	Formulation	Phosphate-buffered saline (PBS, pH 7.2), 0.09% sodium azide, 0.2% (w/v) BSA
Species Reactivity Human   Class Primary   Clonality Monoclonal   Host Mouse   Isotype Mouse IgM   Immunogen CD100 (SEMA4D)   Clone 133-1C6   Conjugate PacOrange   Biological Properties PacOrange   Preparation Antibody purified by affinity chromatography and then conjugated with PacOrange unde optimal conditions   Application Flow Cytometry (FACS), Fluorescence Imaging   Spectral Properties PacOrange   Conjugate PacOrange	Antibody Properties	
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Conjugate PacOrange   Biological Properties Antibody purified by affinity chromatography and then conjugated with PacOrange under optimal conditions   Application Flow Cytometry (FACS), Fluorescence Imaging   Spectral Properties Flow Cytometry (FACS), Fluorescence Imaging   Conjugate PacOrange   Apolication Wavelength 400 nm	Immunogen	CD100 (SEMA4D)
Biological Properties   Preparation Antibody purified by affinity chromatography and then conjugated with PacOrange under optimal conditions   Application Flow Cytometry (FACS), Fluorescence Imaging   Spectral Properties Spectral Properties   Conjugate PacOrange   Excitation Wavelength 400 nm	Clone	133-1C6
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Preparation Antibody purified by affinity chromatography and then conjugated with PacOrange under optimal conditions   Application Flow Cytometry (FACS), Fluorescence Imaging   Spectral Properties Conjugate   PacOrange 400 nm	Biological Properties	
Spectral Properties   Conjugate PacOrange   Excitation Wavelength 400 nm		Antibody purified by affinity chromatography and then conjugated with PacOrange under optimal conditions
ConjugatePacOrangeExcitation Wavelength400 nm	Application	Flow Cytometry (FACS), Fluorescence Imaging
Excitation Wavelength 400 nm	Spectral Properties	
	Conjugate	PacOrange
Emission Wavelength 551 nm	Excitation Wavelength	400 nm
	Emission Wavelength	551 nm
	Applications	

The 133-1C6 monoclonal antibody recognizes human CD100, a 150 kD member of the Class IV semaphorin family frequently expressed on the surface of B cells, T cells, oligodendrocytes and leukocytes. CD100 is associated with a variety of biologically interesting macromolecules/ligands, for instance, CD45. CD100 is a relatively rare antibody target, with fewer than 400 publications in the last decade. Even still, CD100 is frequently used in flow cytometry applications as a phenotypic marker for differentiation of cell types, particularly in the study of immunology. This antibody was purified through affinity chromatography and conjugated to PacOrange (ex/em = 400/551 nm). It is compatible

with the 405 nm laser and 525/50 nm bandpass filter (for example, as in the BD FACSCanto<sup>™</sup>).