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## NY-ESO-1 (D1Q2U) Rabbit mAb (PE Conjugate)

**For Research Use Only. Not for Use in Diagnostic Procedures.**

<b>Applications:</b> FC-FP	<b>Reactivity:</b> H	<b>Sensitivity:</b> Endogenous	<b>Source/Isotype:</b> Rabbit IgG	<b>UniProt ID:</b> #P78358	<b>Entrez-Gene Id:</b> 246100
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<b>Product Usage Information</b>	<b>Application</b> Flow Cytometry (Fixed/Permeabilized)	<b>Dilution</b> 1:50
<b>Storage</b>	Supplied in PBS (pH 7.2), less than 0.1% sodium azide and 2 mg/ml BSA. Store at 4°C. Do not aliquot the antibody. Protect from light. Do not freeze.	
<b>Specificity/Sensitivity</b>	NY-ESO-1 (D1Q2U) Rabbit mAb (PE Conjugate) recognizes endogenous levels of total NY-ESO-1 protein. This antibody cross-reacts with NY-ESO-2/LAGE-1S.	
<b>Source / Purification</b>	Monoclonal antibody is produced by immunizing animals with a synthetic peptide corresponding to residues near the carboxy terminus of human NY-ESO-1 protein, isoform 1.	
<b>Description</b>	This Cell Signaling Technology antibody is conjugated to phycoerythrin (PE) and tested in-house for direct flow cytometry analysis in human cells. The antibody is expected to exhibit the same species cross-reactivity as the unconjugated NY-ESO-1 (D1Q2U) Rabbit mAb #45437.	
<b>Background</b>	Cancer/testis antigens (CTAs) are a family of more than 100 proteins whose normal expression is largely restricted to immune privileged germ cells of the testis, ovary, and trophoblast cells of the placenta. Although most normal somatic tissues are void of CTA expression, due to epigenetic silencing of gene expression, their expression is upregulated in a wide variety of human solid and liquid tumors (1,2). As such, CTAs have garnered much attention as attractive targets for a variety of immunotherapy-based approaches to selectively attack tumors (3).	
<b>Background References</b>	<ol style="list-style-type: none"> <li>1. Caballero, O.L. and Chen, Y.T. (2009) <i>Cancer Sci</i> 100, 2014-21.</li> <li>2. De Smet, C. et al. (1999) <i>Mol Cell Biol</i> 19, 7327-35.</li> <li>3. Gjerstorff, M.F. et al. (2015) <i>Oncotarget</i> 6, 15772-87.</li> </ol>	
<b>Species Reactivity</b>	Species reactivity is determined by testing in at least one approved application (e.g., western blot).	
<b>Applications Key</b>	<b>FC-FP:</b> Flow Cytometry (Fixed/Permeabilized)	
<b>Cross-Reactivity Key</b>	<b>H:</b> Human	
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