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NY-ESO-1 (D1Q2U) Rabbit mAb (Alexa Fluor® 488 Conjugate)


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Applications: FC-FP	Reactivity: H	Sensitivity: Endogenous	Source/Isotype: Rabbit IgG	UniProt ID: #P78358	Entrez-Gene Id: 246100
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Product Usage Information	Application Flow Cytometry (Fixed/Permeabilized)	Dilution 1:50
Storage	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.	
Specificity / Sensitivity	NY-ESO-1 (D1Q2U) Rabbit mAb (Alexa Fluor® 488 Conjugate) recognizes endogenous levels of total NY-ESO-1 protein. This antibody cross-reacts with NY-ESO-2/LAGE-1S.	
Source / Purification	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.	
Product Description	This Cell Signaling Technology antibody is conjugated to Alexa Fluor® 488 fluorescent dye and tested in-house for direct flow cytometric analysis in human cells. This antibody is expected to exhibit the same species cross-reactivity as the unconjugated NY-ESO-1 (D1Q2U) Rabbit mAb #45437.	
Background	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).	
Background References	1. Caballero, O.L. and Chen, Y.T. (2009) <i>Cancer Sci</i> 100, 2014-21. 2. De Smet, C. et al. (1999) <i>Mol Cell Biol</i> 19, 7327-35. 3. Gjerstorff, M.F. et al. (2015) <i>Oncotarget</i> 6, 15772-87.	
Species Reactivity	Species reactivity is determined by testing in at least one approved application (e.g., western blot).	
Applications Key	FC-FP: Flow Cytometry (Fixed/Permeabilized)	
Cross-Reactivity Key	H: human M: mouse R: rat Hm: hamster Mk: monkey Vir: virus Mi: mink C: chicken Dm: D. melanogaster X: Xenopus Z: zebrafish B: bovine Dg: dog Pg: pig Sc: S. cerevisiae Ce: C. elegans Hr: horse GP: Guinea Pig Rab: rabbit All: all species expected	
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