Store at 4°C

#66920

NY-ESO-1 (D1Q2U) Rabbit mAb (Alexa Fluor® 647 Conjugate)

Cell Signaling TECHNOLOGY®

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Entrez-Gene ID #1485
UniProt ID #P78358

New 03/18

For Research Use Only. Not For Use In Diagnostic Procedures.

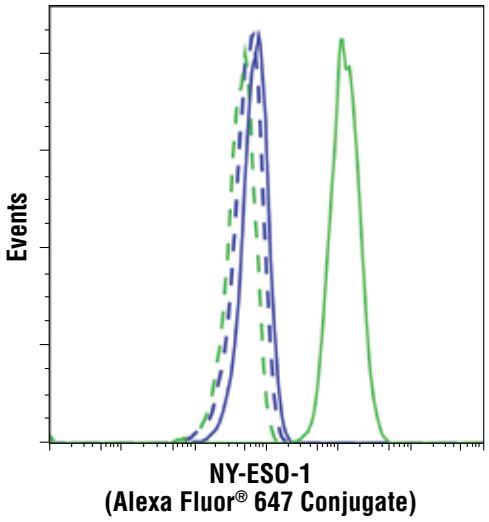
Applications	Species Cross-Reactivity	Isotype
F Endogenous	H	Rabbit IgG

Description: This Cell Signaling Technology antibody is conjugated to Alexa Fluor® 647 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).

Specificity/Sensitivity: NY-ESO-1 (D1Q2U) Rabbit mAb (Alexa Fluor® 647 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.



Flow cytometric analysis of Jurkat cells (blue) and U266 cells (green) using NY-ESO-1 (D1Q2U) Rabbit mAb (Alexa Fluor® 647 Conjugate) (solid lines) or a Rabbit (DA1E) mAb IgG XP® Isotype Control (Alexa Fluor® 647 Conjugate) #2985 (dashed lines).

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*

Recommended Antibody Dilutions:

Flow Cytometry	1:50

For product specific protocols and a complete listing of recommended companion products please see the product web page at www.cellsignal.com.

Background References:

(1) Caballero, O.L. and Chen, Y.T. (2009) *Cancer Sci* 100, 2014-21.

(2) De Smet, C. et al. (1999) *Mol Cell Biol* 19, 7327-35.

(3) Gjerstorff, M.F. et al. (2015) *Oncotarget* 6, 15772-87.

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Applications: **W**—Western **IP**—Immunoprecipitation **IHC**—Immunohistochemistry **ChIP**—Chromatin Immunoprecipitation **IF**—Immunofluorescence **F**—Flow cytometry **E-P**—ELISA-Peptide **Species Cross-Reactivity:** **H**—human **M**—mouse **R**—rat **Hm**—hamster **Mk**—monkey **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 **All**—all species expected Species enclosed in parentheses are predicted to react based on 100% homology.