

**DESCRIPTION**

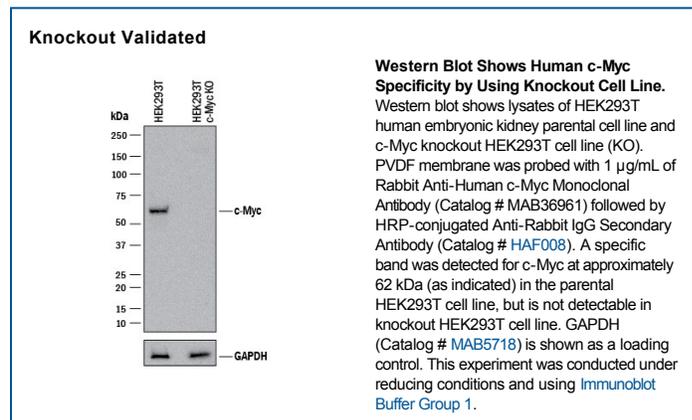
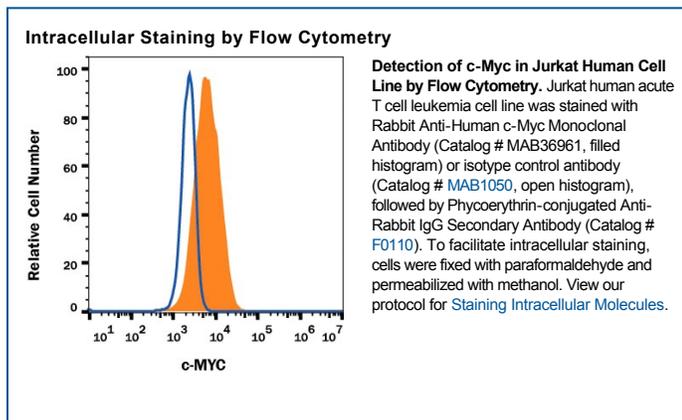
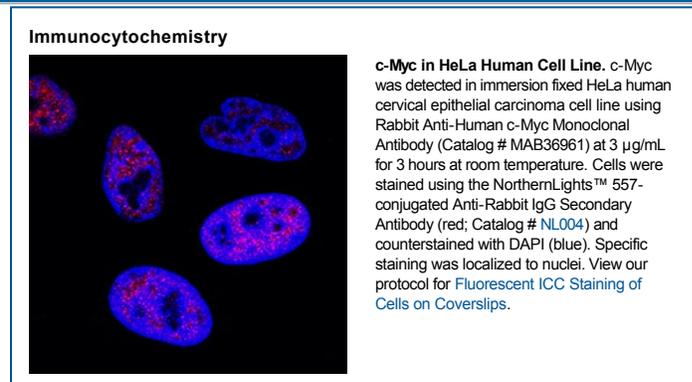
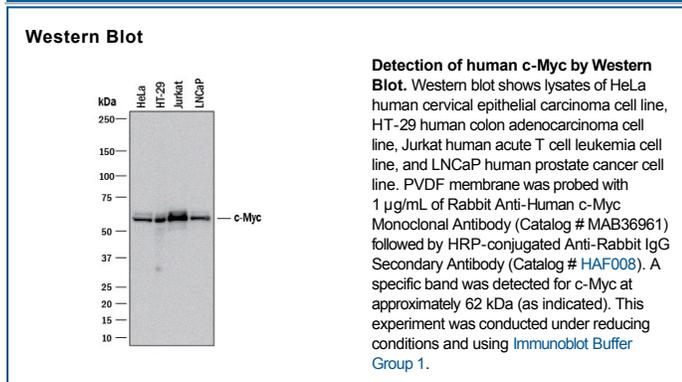
<b>Species Reactivity</b>	Human
<b>Specificity</b>	Detects human c-Myc in direct ELISAs.
<b>Source</b>	Recombinant Monoclonal Rabbit IgG Clone # 2270A
<b>Purification</b>	Protein A or G purified from hybridoma culture supernatant
<b>Immunogen</b>	<i>E. coli</i> -derived recombinant human c-Myc Arg66-Asp201 Accession # P01106
<b>Formulation</b>	Lyophilized from a 0.2 µm filtered solution in PBS with Trehalose. See Certificate of Analysis for details. *Small pack size (-SP) is supplied either lyophilized or as a 0.2 µm filtered solution in PBS.

**APPLICATIONS**

**Please Note:** Optimal dilutions should be determined by each laboratory for each application. *General Protocols* are available in the *Technical Information* section on our website.

	<b>Recommended Concentration</b>	<b>Sample</b>
<b>Western Blot</b>	1 µg/mL	See Below
<b>Immunocytochemistry</b>	3-25 µg/mL	See Below
<b>Intracellular Staining by Flow Cytometry</b>	0.25 µg/10 <sup>6</sup> cells	See Below
<b>CytoTOF-ready</b>	Ready to be labeled using established conjugation methods. No BSA or other carrier proteins that could interfere with conjugation.	
<b>Knockout Validated</b>	c-Myc is specifically detected in HEK293T human embryonic kidney parental cell line but is not detectable in c-Myc knockout HEK293T cell line.	

**DATA**



#### PREPARATION AND STORAGE

<b>Reconstitution</b>	Reconstitute at 0.5 mg/mL in sterile PBS.
<b>Shipping</b>	The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below. *Small pack size (-SP) is shipped with polar packs. Upon receipt, store it immediately at -20 to -70 °C
<b>Stability &amp; Storage</b>	<b>Use a manual defrost freezer and avoid repeated freeze-thaw cycles.</b> <ul style="list-style-type: none"><li>● 12 months from date of receipt, -20 to -70 °C as supplied.</li><li>● 1 month, 2 to 8 °C under sterile conditions after reconstitution.</li><li>● 6 months, -20 to -70 °C under sterile conditions after reconstitution.</li></ul>

#### BACKGROUND

Human c-Myc is a 439 amino acid transcription factor with a bHLH/LZ (basic Helix-Loop-Helix, Leucine Zipper) domain. c-Myc DNA-binding and transcription function is achieved upon heterodimerization with its partner Max. c-Myc is often over-expressed and mutated in hematopoietic tumors. Mutations frequently result in truncations that remove the transactivation region or in the bHLH/LZ domain required for association with Max and DNA. Over the region used as immunogen, human c-Myc is 92% identical to the rat and mouse c-Myc proteins.