

12-4153: Phospho-Rb (Ser807/811) (Clone: D9) rabbit mAb SureLight488 conjugate

Clonality :	Monoclonal
Clone Name :	RbS807S811-D9
Application :	FACS
Reactivity :	Human, Mouse
Conjugate :	SureLight 488
Format :	Conjugated
Alternative Name :	Retinoblastoma-associated protein, p105-Rb, pRb, pp110
Isotype :	Rabbit IgG1k
Immunogen Information :	A synthetic phospho-peptide corresponding to residues surrounding Ser807/811 of human phospho Rb

Description

Retinoblastoma protein (Rb, phospho Rb) is a tumor suppressor protein that is inactivated in a number of diverse cancers. The antiproliferative activity of Rb is mediated by its ability to inhibit the transcription of genes that are required for cell cycle progression. Rb contains conserved sites that are phosphorylated by cyclin-dependent kinases (CDKs). CDK phosphorylation typically promotes protein-protein interactions through creation of a phospho-epitope that becomes structured upon binding its target. However Rb phosphorylation disrupts interactions with its binding partners. When it is phosphorylated, phospho Rb is inactivated and allows excessive cell growth that is seen in cancer cells. Sixteen potential sites for CDK-mediated phosphorylation exist in Rb and twelve of these sites have been shown to be phosphorylated in vivo.

Product Info

Amount :	10 Tests / 100 Tests
Content :	1X PBS, 0.09% NaN ₃ , 0.2% BSA
Storage condition :	Store at 2-8°C. Avoid repeated freeze and thaw cycles.

Application Note

For flow cytometric staining, the suggested use of this reagent is 5 μ L per million cells or 5 μ L per 100 μ L of staining volume. It is recommended that the reagent be titrated for optimal performance for each application.

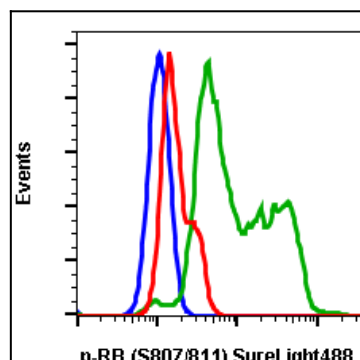


Fig-1: Flow cytometric analysis of U937 cells untreated and unstained as negative control (blue) or untreated and stained (green) or treated with lambda phosphatase and stained (red) using Phospho-Rb (Ser807/811) antibody RBS807S811-D9 SureLight488 conjugate.