

Renilla Luciferase (5M15) Rabbit Monoclonal Antibody

Catalog# UZ-MA04014

Product information

产品货号	UZ-MA04014
别名	Renilla Luciferase
产品名称	Renilla Luciferase (5M15) Rabbit Monoclonal Antibody
类别	抗体产品
推荐应用	WB,IF-ICC
反应种属	Renilla reniformis
存储缓冲液	Supplied in 50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40%Glycerol, 0.01% New type preservative N and 0.05% BSA.
免疫原	A synthetic peptide of Renilla Luciferase
稀释度	WB 1:1000, IF-ICC 1:500-1:1000
参考分子量	According to the fused protein
预测分子量	36kDa
运输及保存条件	-20°C/1 year
宿主	Rabbit
同种型	IgG
背景介绍	Upon binding the substrate, the enzyme catalyzes an oxygenation, producing a very short-lived hydroperoxide that cyclizes into a dioxetanone structure, which collapses, releasing a CO ₂ molecule. The spontaneous breakdown of the dioxetanone releases the energy (about 50 kcal/mole) that is necessary to generate the excited state of the coelenteramide product, which is the singlet form of the monoanion. In vivo the product undergoes the process of nonradiative energy transfer to an accessory protein, a green fluorescent protein (GFP), which results in green bioluminescence. In vitro, in the absence of GFP, the product emits blue light.
纯化	Affinity Purification
Uniprot ID	P27652
Clonality	Monoclonal