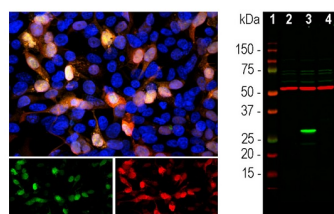


Product no **AS21 4583****EGFP | Enhanced Green Fluorescence Protein****Product information**

Immunogen	Recombinant GFP from <i>Aequorea coerulea</i> (belt jellyfish) overexpressed and purified from <i>E. coli</i> , UniProt: Q6YGZ0
Host	Rabbit
Clonality	Polyclonal
Purity	Immunogen affinity purified in PBS pH 7.2-7.6, 0.1% trehalose, 5 mM sodium azide.
Format	Lyophilized
Quantity	100 µg
Reconstitution	For reconstitution add 100 µl of sterile water, ultrapure water
Storage	Store lyophilized antibody at 4 °C. After reconstitution keep aliquots at -20°C for a higher stability. Avoid repetitive freeze/thaw cycles. Centrifuge briefly to remove any insoluble material. Expiry date: 12 months after purchase if unopened

Application information

Recommended dilution	1:2000 - 1:5000 (ICC), 1:1000 - 1:5000 (WB)
Expected apparent MW	27 kDa (for GFP without fusion partner)
Confirmed reactivity	GFP, EGFP
Not reactive in	mCherry
Additional information	EGFP has Excitation max (nm): 488; Emission max (nm): 509; Extinction coefficient (Cm-1M-1): 61000
Selected references	To be added when available.



Left panel: Analysis of GFP expression (green) in transfected HEK293 cells by immunocytochemistry. Cells were stained with rabbit anti-GFP antibody (red, 1:2,000). Blue: Hoechst staining for nuclei. Transfected cells appear orange-yellow due to the green (GFP) and red (anti-GFP antibody) color overlay.

Right panel: Western blot analysis of GFP protein in transfected HEK293 lysate using rabbit antibody to GFP (green, 1:2,000). [1] protein standard, [2] non-transfected control cells, [3] transfected cells with GFP construct, [4] transfected cells with mCherry construct. A strong band at ~27 kDa corresponds to the expected molecular weight of GFP protein detected only in cells transfected with GFP construct. The antibody does not cross-react with mCherry protein. The same blot was simultaneously probed with a mouse antibody to beta-tubulin (red, ~ 50 kDa, lanes 2-4).