

## GFP

**Cat.No. 132 003C5; Polyclonal rabbit antibody, 50 µg specific antibody (lyophilized)**

### Data Sheet

Reconstitution/ Storage	50 µg specific antibody, lyophilized. Affinity purified with the immunogen, fluorescence-labeled with Oyster® 650. Rabbit serum albumin was added for stabilization. For reconstitution add 50 µl H <sub>2</sub> O to get a 1mg/ml solution in PBS. Either add 1:1 (v/v) glycerol, then aliquot and store at -20°C until use, or store aliquots at -80°C without additives. Reconstitute immediately upon receipt! Avoid bright light when working with the antibody to minimize photo bleaching of the fluorescent dye. The mounting agent Aquatex® (Merck Chemicals) is not compatible with Oyster dyes!
Applications	<b>WB:</b> N/A <b>IP:</b> N/A <b>ICC:</b> 1 : 500 <b>IHC:</b> 1 : 500 <b>IHC-P/FFPE:</b> not tested yet
Label	Oyster 650
Immunogen	Recombinant protein corresponding to AA 1 to 238 from GFP (UniProt Id: P42212)
Specificity	Recognizes GFP, mEGFP, superfolder GFP, most common CFP and YFP variants. Does not cross-react to mCherry, mRFP, dsRed, mTagBFP or their most common derivatives.

### Selected General References

Imaging into the future: visualizing gene expression and protein interactions with fluorescent proteins.  
van Roessel P, Brand AH  
Nature cell biology (2002) 4(1): E15-20.

Illuminating the secretory pathway: when do we need vesicles?  
Stephens DJ, Pepperkok R  
Journal of cell science (2001) 114(Pt 6): 1053-9.

Watching proteins in the wild: fluorescence methods to study protein dynamics in living cells.  
Chamberlain C, Hahn KM  
Traffic (Copenhagen, Denmark) (2000) 1(10): 755-62.

**TO BE USED IN VITRO / FOR RESEARCH ONLY**  
**NOT TOXIC, NOT HAZARDOUS, NOT INFECTIOUS, NOT CONTAGIOUS**

Green fluorescent protein **GFP** and its derivatives have become universal tools in cell biology. These antibodies allow immunoprecipitation and visualization of GFP fusion proteins on immunoblots and by immunocytochemistry.