



**MONOCLONAL ANTIBODY**

For research use only. Not for clinical diagnosis

**Catalog No. CEC-059**

**Anti-GFP antibody (Clone No.1A5)**

**BACKGROUND**

The green fluorescent protein (GFP) of the jellyfish *Aequorea victoria* is stable, does not require cofactors for activity (any additional cofactors for fluorescence), and can be functionally expressed in different species. Because of its unique properties, GFP is useful as a unique tool that permits the monitoring of gene expression and protein localization in various cells and tissues.

<b>Product type</b>	Primary antibody
<b>Immunogen</b>	Recombinant GST fused GFP protein (full length)
<b>Host</b>	Rat
<b>Clone number</b>	1A5
<b>Isotype</b>	IgG1, $\kappa$
<b>Source</b>	Culture supernatant
<b>Purification</b>	Ion-exchange chromatography
<b>Form</b>	Liquid
<b>Presentation</b>	Purified monoclonal antibody in PBS, 50% Glycerol, 0.05%w/v ProClin300
<b>Concentration</b>	1 mg/mL
<b>Volume</b>	100 $\mu$ L
<b>Label</b>	Unlabeled
<b>Specificity</b>	GFP
<b>Cross reactivity</b>	-
<b>Storage</b>	Store below -20°C (below -70°C for prolonged storage) Aliquot to avoid cycles of freeze/thaw.
<b>Other</b>	-

**Application notes**

**Recommended use**

WB, ICC, IP Not tested for other applications

**Recommended dilutions**

Western blotting, 1/1,000 to 1/5,000

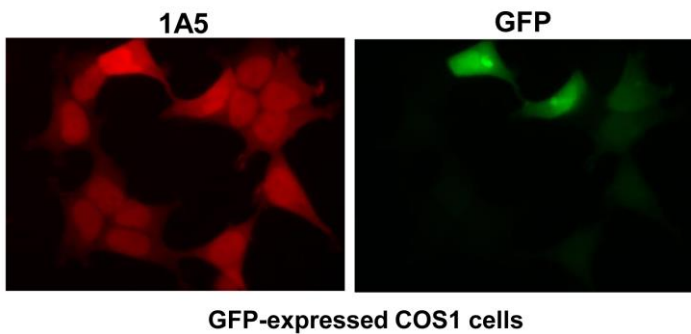
Immunocytochemistry, 1/100 to 1/500

Optimal dilutions/concentrations should be determined by the end user.

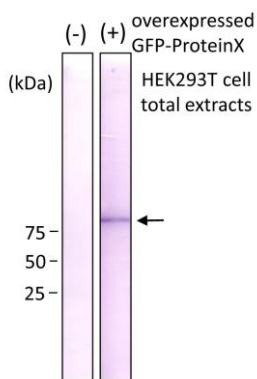
**References**

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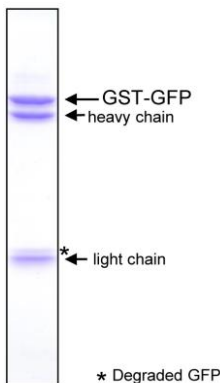
**ANTIBODY CHARACTERIZATION**



**Fig.1 Immunocytochemistry/ Immunofluorescence - GFP antibody (1A5) ,GFP-expressed COS1 cells**



**Fig.2 Western blot - GFP antibody (1A5) , HEK293T cells total extracts**



**IPP with GST-GFP**

**Fig.3 Immunoprecipitation - GFP antibody (1A5) ,**

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