

For Research Use Only

mCherry Recombinant antibody

Catalog Number: 81202-2-RR



Basic Information

Catalog Number:

81202-2-RR

Concentration:

1000 ug/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG25320

GenBank Accession Number:

GeneID (NCBI):

Full Name:

Calculated MW:

27 kDa

Purification Method:

Protein A purification

CloneNo.:

241830F8

Recommended Dilutions:

WB 1:5000-1:50000

IF/ICC 1:200-1:800

Applications

Tested Applications:

WB, IF/ICC, FC (Intra), ELISA

Species Specificity:

recombinant protein

Positive Controls:

WB : Transfected HEK-293T cells,

IF/ICC : Transfected HEK-293 cells,

Background Information

Red fluorescent proteins (RFPs) is a collective term referring to a heterogeneous group of red chromophore-carrying proteins, originating from various species and forming different protein lineages. The original RFP (dsRed) is a 225 amino acid fluorescent protein (25.9 kDa) derived from *Discosoma* sp.. It emits red light with a peak wavelength of 593 nm upon excitation by green light (excitation peak at 558 nm). When fused with other proteins, RFP serves as a versatile reporter protein e.g. for quantifying expression levels or facilitating visualization of subcellular localization through fluorescence microscopy. This antibody is a rabbit polyclonal antibody raised against mCherry.

Storage

Storage:

Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol

Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:

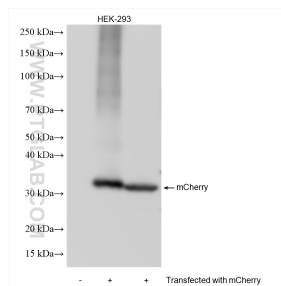
T: 4006900926

E: Proteintech-CN@ptglab.com

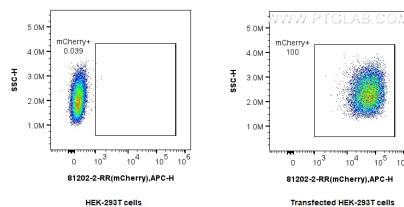
W: ptgcn.com

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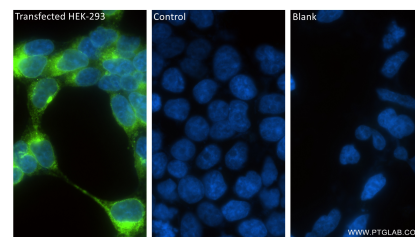
Selected Validation Data



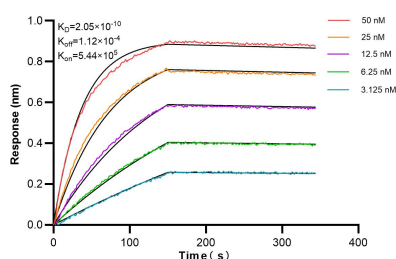
Various lysates were subjected to SDS PAGE followed by western blot with 81202-2-RR (mCherry antibody) at dilution of 1:20000 incubated at room temperature for 1.5 hours.



1×10^6 HEK-293T cells or mCherry Transfected HEK-293T cells were intracellularly stained with 0.25 μ g mCherry Recombinant antibody (81202-2-RR, Clone: 241830F8) and APC-Conjugated Goat Anti-Rabbit IgG(H+L). Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).



Immunofluorescent analysis of (4% PFA) fixed Transfected HEK-293 cells using mCherry antibody (81202-2-RR, Clone: 241830F8) at dilution of 1:400 and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2).



Biolayer interferometry (BLI) kinetic assays of 81202-2-RR against mCherry were performed. The affinity constant is 0.205 nM.