

GTX300112

Fluorescent Protein Antibody Panel

Product Content

Cat No	Product Name	Reactivity	Applications	Package
GTX636956	mCherry antibody [HL1482]	Species independent	WB, ICC/IF	10 µl
GTX637570	GFP antibody [HL1845]	Species independent	WB, ICC/IF, IHC-P (cell pellet)	10 µl
GTX637929	RFP antibody [HL2028]	Species independent	WB, ICC/IF	10 µl

Note

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mCherry antibody [HL1482]

Cat. No. GTX636956

Host	Rabbit
Clonality	Monoclonal
Isotype	IgG
Applications	WB, ICC/IF
Reactivity	Species independent

References (7)

Package

100 µl, 25 µl

Applications

Application Note

*Optimal dilutions/concentrations should be determined by the researcher.

Suggested dilution	Recommended dilution
WB	1:1000-1:10000
ICC/IF	Assay dependent

Not tested in other applications.

Product Note This antibody is specific for mCherry protein, and it does not cross-react with RFP and GFP.

Properties

Form	Liquid
Buffer	PBS
Preservative	No preservatives
Storage	Store as concentrated solution. Centrifuge briefly prior to opening vial. For short-term storage (1-2 weeks), store at 4°C. For long-term storage, aliquot and store at -20°C or below. Avoid multiple freeze-thaw cycles.
Concentration	2 mg/ml (Please refer to the vial label for the specific concentration.)
Immunogen	Full length mCherry recombinant protein
Purification	Affinity purified by Protein A.
Conjugation	Unconjugated

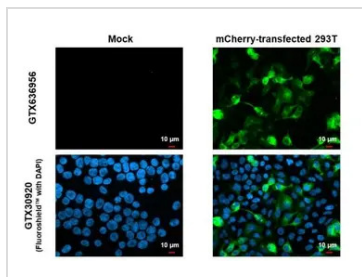
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DATA IMAGES

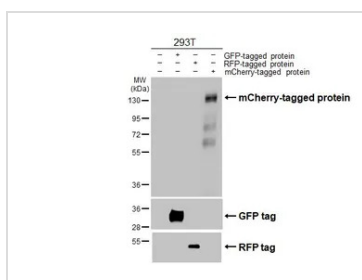

GTx636956 ICC/IF Image

mCherry antibody [HL1482] detects mCherry protein by immunofluorescent analysis.

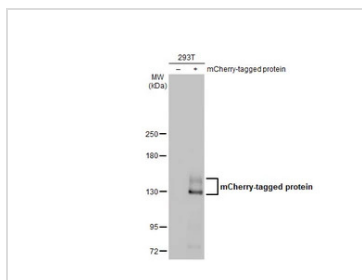
Sample: Mock and transfected 293T cells were fixed in 4% paraformaldehyde at RT for 15 min.

Green: mCherry stained by mCherry antibody [HL1482] (GTx636956) diluted at 1:500.

Blue: Fluoroshield with DAPI (GTx30920).


GTx636956 WB Image

Non-transfected (–) and transfected (+) 293T whole cell extracts (30 μg) were separated by gradient gel SDS-PAGE, and the membrane was blotted with mCherry antibody [HL1482] (GTx636956) diluted at 1:10000. The HRP-conjugated anti-rabbit IgG antibody (GTx213110-01) was used to detect the primary antibody.


GTx636956 WB Image

Non-transfected (–) and transfected (+) 293T whole cell extract (30 μg) were separated by 5% SDS-PAGE, and the membrane was blotted with mCherry antibody [HL1482] (GTx636956) diluted at 1:5000. The HRP-conjugated anti-rabbit IgG antibody (GTx213110-01) was used to detect the primary antibody.



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GFP antibody [HL1845]

Cat. No. GTX637570

Host	Rabbit
Clonality	Monoclonal
Isotype	IgG
Applications	WB, ICC/IF, IHC-P (cell pellet)
Reactivity	Species independent

References (1)

Package

100 µl, 25 µl

Applications

Application Note

*Optimal dilutions/concentrations should be determined by the researcher.

Suggested dilution	Recommended dilution
WB	1:1000-1:10000
ICC/IF	Assay dependent
IHC-P (cell pellet)	Assay dependent

Not tested in other applications.

Product Note This antibody reacts with GFP variants including GFP, EGFP, and YFP.

Properties

Form	Liquid
Buffer	PBS
Preservative	No preservatives
Storage	Store as concentrated solution. Centrifuge briefly prior to opening vial. For short-term storage (1-2 weeks), store at 4°C. For long-term storage, aliquot and store at -20°C or below. Avoid multiple freeze-thaw cycles.
Concentration	1 mg/ml (Please refer to the vial label for the specific concentration.)
Immunogen	Full length GFP recombinant protein
Purification	Affinity purified by Protein A.
Conjugation	Unconjugated

Note

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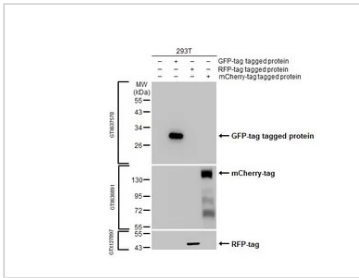
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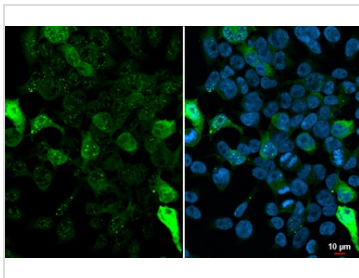
Date 2026 / 10 / 08 Page 4 of 7

DATA IMAGES



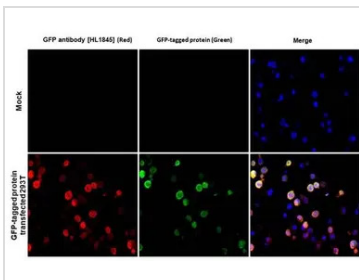
GTX637570 WB Image

Non-transfected (-) and transfected (+) 293T whole cell extracts (30 µg) were separated by 12% SDS-PAGE, and the membrane was blotted with GFP antibody [HL1845] (GTX637570) diluted at 1:5000. The HRP-conjugated anti-rabbit IgG antibody (GTX213110-01) was used to detect the primary antibody.



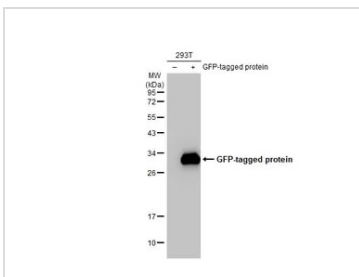
GTX637570 ICC/IF Image

GFP-tag antibody detects GFP tagged protein by immunofluorescent analysis.
Sample: GFP tagged protein transfected 293T cells were fixed in 4% paraformaldehyde at RT for 15 min.
Green: GFP tagged protein stained by GFP-tag antibody (GTX637570) diluted at 1500.
Blue: Fluoroshield with DAPI (GTX30920).



GTX637570 IHC-P (cell pellet) Image

GFP antibody [HL1845] detects GFP protein by immunohistochemical analysis.
Sample: Paraffin-embedded mock and GFP-tagged protein transfected 293T.
Red: GFP-tagged protein stained by GFP antibody [HL1845] (GTX637570) diluted at 1:1000.
Green: GFP-tagged protein is expressed in the transfected cells.
Blue: Fluoroshield with DAPI (GTX30920).
Antigen Retrieval: Citrate buffer, pH 6.0, 15 min



GTX637570 WB Image

Non-transfected (-) and transfected (+) 293T whole cell extracts (30 µg) were separated by 12% SDS-PAGE, and the membrane was blotted with GFP antibody [HL1845] (GTX637570) diluted at 1:5000. The HRP-conjugated anti-rabbit IgG antibody (GTX213110-01) was used to detect the primary antibody.



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RFP antibody [HL2028]

Cat. No. GTX637929

Host	Rabbit
Clonality	Monoclonal
Isotype	IgG
Applications	WB, ICC/IF
Reactivity	Species independent

 Review (1)

Package
 100 µl, 25 µl

Applications

Application Note

*Optimal dilutions/concentrations should be determined by the researcher.

Suggested dilution	Recommended dilution
WB	1:1000-1:10000
ICC/IF	Assay dependent

Not tested in other applications.

Product Note This antibody is specific for RFP and DsRed, and it does not cross react with GFP and mcherry.

Properties

Form	Liquid
Buffer	PBS
Preservative	No preservatives
Storage	Store as concentrated solution. Centrifuge briefly prior to opening vial. For short-term storage (1-2 weeks), store at 4°C. For long-term storage, aliquot and store at -20°C or below. Avoid multiple freeze-thaw cycles.
Concentration	1 mg/ml (Please refer to the vial label for the specific concentration.)
Immunogen	Full length RFP recombinant protein
Purification	Affinity purified by Protein A.
Conjugation	Unconjugated

Note

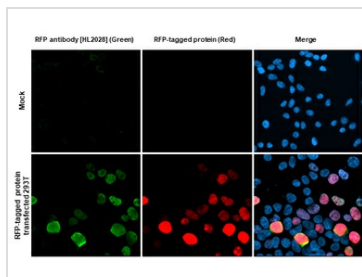
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DATA IMAGES



GTx637929 ICC/IF Image

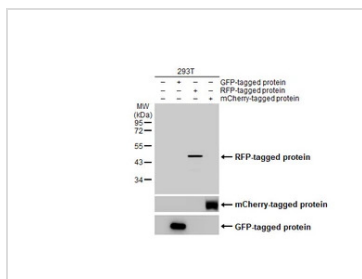
RFP-tag antibody detects RFP tagged protein by immunofluorescent analysis.

Sample: RFP tagged protein transfected 293T cells were fixed in 4% paraformaldehyde at RT for 15 min.

Green: RFP tagged protein stained by RFP-tag antibody (GTx637929) diluted at 500.

Red: RFP tagged protein is expressed in the transfected cells.

Blue: Fluoroshield with DAPI (GTx30920).



GTx637929 WB Image

Non-transfected (–) and transfected (+) 293T whole cell extracts (30 µg) were separated by 12% SDS-PAGE, and the membrane was blotted antibodies as follows:

Upper image: RFP antibody [HL2028], GTx637929 (1:5000)

Middle image: mCherry-tagged protein antibody, GTx128508

Lower image: FP-tagged protein antibody, GTx635070

The HRP-conjugated anti-rabbit IgG antibody (GTx213110-01) was used to detect the primary antibody.



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