

ARG46748 anti-mScarlet antibody

Package: 100 µg
Store at: -20°C

Summary

Product Description	Goat Polyclonal antibody recognizes mScarlet
Tested Reactivity	Other
Tested Application	ICC/IF, IEM, IHC-Fr, IHC-P, WB
Specificity	This antibody does not recognize GFP (green fluorescent protein).
Host	Goat
Clonality	Polyclonal
Isotype	IgG
Target Name	mScarlet
Immunogen	Purified recombinant fluorescent protein produced in E. coli.
Conjugation	Un-conjugated
Alternate Names	Scarlet fluorescent protein; red fluorescent protein

Application Instructions

Application table	Application	Dilution
	ICC/IF	1:50 - 1:500
	IEM	1:50 - 1:500
	IHC-Fr	1:50 - 1:500
	IHC-P	1:50 - 1:500
	WB	1:500 - 1:5000

Application Note * The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.

Properties

Form	Liquid
Purification	Affinity purification with immunogen.
Buffer	PBS, 0.05% Sodium azide and 20% Glycerol
Preservative	0.05% Sodium azide
Stabilizer	20% Glycerol
Concentration	3 mg/ml
Storage instruction	Working dilution samples should be discarded if not used within 12 hours For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated

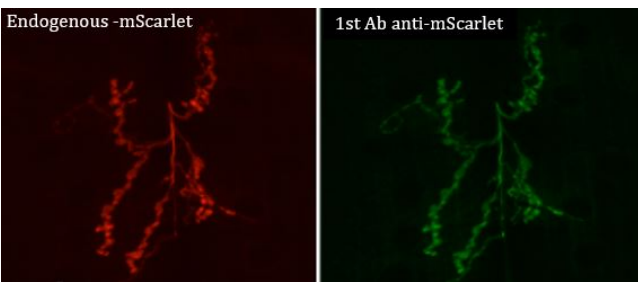
freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.

Note For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

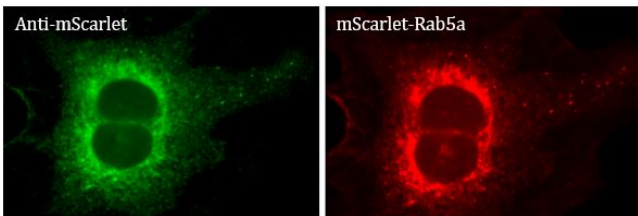
Background	This antibody specifically detects mScarlet in transfected cells and does not cross-react with GFP, making it highly suitable for multi-color fluorescence experiments. It is an excellent tool for applications such as protein tagging, viral transduction studies, and cellular imaging. mScarlet is a basic (constitutively fluorescent), monomeric engineered derivative of red fluorescent protein (RFP) isolated from members of the Discosoma (mushroom coral) family. mScarlet is a ~26.5 kDa protein that is optimally excited at a 569 nm and has a maximum of emission at 594 nm. It is used in research as a reporter to label and study the biology of the cell using a wide range of applications.
Highlight	Related news: tdTomato, mRuby, and mCherry antibodies for triple staining;
Calculated Mw	26.5 kDa

Images



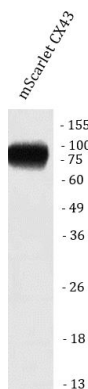
ARG46748 anti-mScarlet antibody IHC-Wmt image

Immunohistochemistry: Drosophila larvae NMJ muscle 6/7 expressing mScarlet in neurons (DyGlutmScarlet) using ARG46748 anti-mScarlet antibody at 1:1000. Secondary antibody: anti-goat conjugated to DyLight®488 at 1:500.



ARG46748 anti-mScarlet antibody ICC/IF image

Immunocytochemistry: hCEC cells transfected with mScarlet-Rab5a and stained with ARG46748 anti-mScarlet antibody at 1:250 dilution. Cells were fixed with methanol.



ARG46748 anti-mScarlet antibody WB image

Western blot: 50 µg of mScarlet plasmid transfected HEK293 cell lysate stained with ARG46748 anti-mScarlet antibody at 1:2500 dilution.