

Catalogue No. AB9088-100

Qty: 300 µg (3 mg/ml)

mScarlet Polyclonal Antibody

Source: Goat

General description: Goat polyclonal antibody to mScarlet (Scarlet fluorescent protein). 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.

Alternative names: red fluorescent protein antibody.

Form: Polyclonal antibody supplied as a 100 µl (3 mg/ml) aliquot in PBS, 20% glycerol and 0.05% sodium azide. This antibody is epitope-affinity purified from goat antiserum.

Immunogen: Purified recombinant fluorescent protein produced in *E. coli*.

Specificity: In 293HEK cells transfected with cds plasmid detects a band of 26.5 kDa by Western blot. This antibody does not recognize GFP (green fluorescent protein).

Reactivity: mScarlet, Red Fluorescent Protein

Sample	WB	IHC (p)	IHC (f)	IF	ELISA	IEM
transfected cells	+++	+++	+++	+++	ND	+++

+++ excellent, ++ good, + poor, ND not determined

Usage: Western blot	1:500-1:5,000
Immunofluorescence	1:50-1:500
Immunohistochemistry (paraffin)	1:50-1:500
Immunohistochemistry (frozen)	1:50-1:500
IEM	1:50-1:500

Storage: Store at -20 C for long-term storage. Store at 2-8 C for up to one month.

Special instructions: Avoid freeze/thaw cycles.

References:

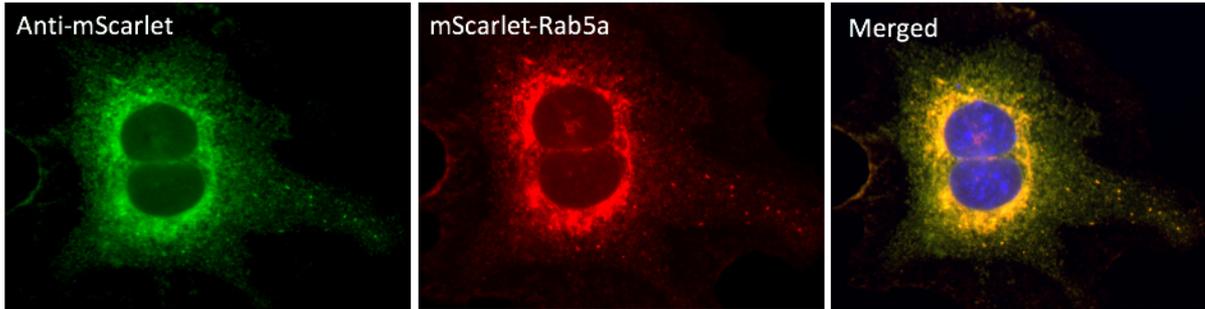


Fig1 - Immunofluorescence – anti-mScarlet Ab using hCEC cells transduced with mScarlet-Rab5a; cells were fixed with methanol and anti-mScarlet at 1/250;

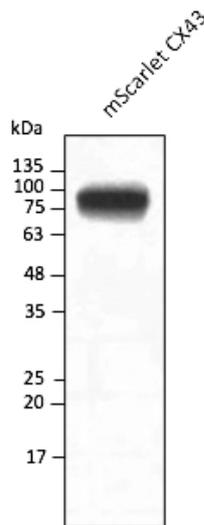


Fig2 - Anti-mScarlet Ab at 1/2,500 dilution using HEK293 transfected cell lysates at 50 µg per lane; rabbit polyclonal to goat IgG (HRP) at 1/10,000 dilution;

For research use only, not for diagnostic use

SICGEN's Proprietary Immunogen Policy

In order to produce high specific antibodies SICGEN has invested a lot of time and effort into selecting immunogen sequences. SICGEN has decided to protect this information by not publishing it on the website. However, these sequences are available on request.