SICGEN ANTIBODIES

Product Data Sheet

Catalogue No.	Qty:
AB6016-100	300 µg

Anti-mCarmine

Source: Goat

General description: Goat polyclonal antibody to mCarmine (Far Red fluorescent protein). mCarmine is a basic (constitutively fluorescent) far red fluorescent protein, monomeric engineered derivate of far-red fluorescent protein (RFP) isolated from members of the Entacmaea quadricolor. mCarmine is a ~28 kDa protein that is optimally excited at a 603 nm and has a maximum of emission at 675 nm. This bright far-red fluorescent protein is used in research as a reporter to label and study the biology of the cell using whole body imaging.

Alternative names: far-Red 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: Affinity purified recombinant fluorescent protein (HIR78_01785 from Bacillus subtillis) and produced in E. coli.

Specificity: In lysates of transfected cells with the plasmid containing the fluorescent sequence, detects the recombinant protein by Western blot.

Reactivity: Reacts with Transfected cells proteins

Sample	WB	IHC (F)	IHC (P)	IF	ELISA	IEM
Transfected cells	+++	ND	ND	ND	ND	+++

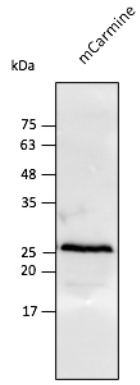
+++ excellent, ++ good, + poor, ND not determined

Usage:

WB:	1:500-1:5,000
IHC (F):	1:50-1:500
IHC (P):	1:50-1:500
IF:	1:50-1:500
IEM:	1:50-1:500

Storage: For continuous use, store at 2-8 C for one-two days. For extended storage, store in -20 C freezer. Working dilution samples should be discarded if not used within 12 hours.

Special instructions: The antibody solution should be gently mixed before use..



Anti-mCarmine 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.