

Mouse Anti-mScarlet antibody

SLM-33856M

Product Name	mScarlet
Chinese Name	mScarlet 单克隆抗体
Alias	red fluorescent protein (RFP); DsRed; RFP_DISSP; Red fluorescent protein drFP583;
Immunogen Species	Mouse
Clonality	Monoclonal
React Species	mScarlet proteins WB=1:2000-5000
Applications	not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Theoretical molecular weight	26.4kDa
Form	Liquid
Concentration	1mg/ml
immunogen	Recombinantm mScarlet proteins
Lsotype	IgG1
Purification	affinity purified by Protein A
Buffer Solution	mScarlet proteins1M TBS(pH7.4) with 1% BSA, mScarlet proteins3% Proclin300 and 50% Glycerol.
Storage	Shipped at 4°C. Store at -20 °C for one year. Avoid repeated freeze/thaw cycles.
Attention	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
PubMed	PubMed mScarlet is a basic (constitutively fluorescent) red fluorescent protein published in 2016, derived from synthetic construct. It has moderate acid sensitivity. (GenBank: APD76535.1)
Product Detail	

Function:

Thought to play a role in photoprotection of the coral's resident symbiont microalgae's photosystems from photoinhibition caused by high light levels found near the surface of coral reefs. In deeper water, the fluorescence may be to convert blue light into longer wavelengths more suitable for use in photosynthesis by the microalgal symbionts.

Subunit:

Homotetramer.

Post-translational modifications:

Contains a chromophore consisting of modified amino acid residues. The chromophore is formed by autocatalytic backbone condensation between Xaa-N and Gly-(N+2), oxidation of Tyr-(N+1) to didihydroxytyrosine, and formation of a double bond to the alpha-amino nitrogen of residue Xaa-N. Maturation of the chromophore requires nothing other than molecular oxygen.

Similarity:

Belongs to the GFP family.

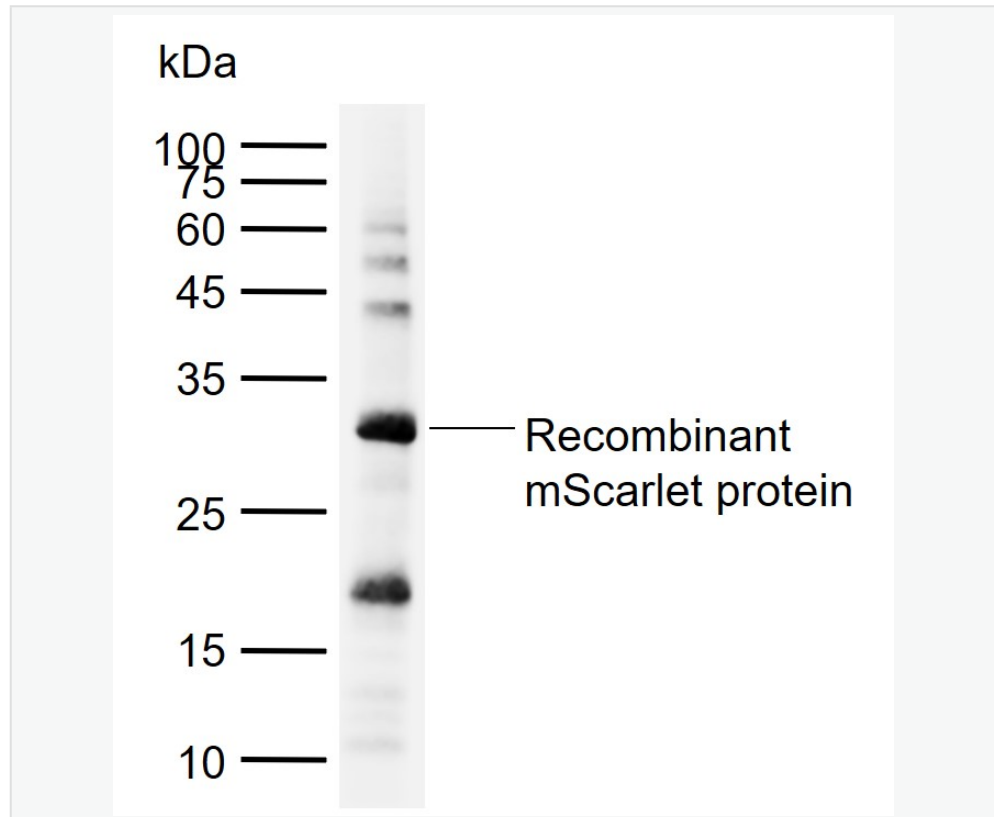
SWISS:

Q9U6Y8

Gene ID:

N/A

Product Picture



Sample:

Lane 1: Recombinant mScarlet protein

Primary: Anti-mScarlet (SLM-33856M) at 1/50000 dilution

Secondary: IRDye800CW Goat Anti-Mouse IgG at 1/20000 dilution

Predicted band size: 26.4 kDa

Observed band size: 30 kDa