

#### Cosmo Bio Co., Ltd

TOYO EKIMAE BLDG, 2-20,TOYO 2CHOME, KOTO-KU,TOKYO 135-0016,JAPAN

TEL: +81-3-5632-9617 FAX: +81-3-5632-9618

URL: http://www.cosmobio.co.jp/e-mail: export@cosmobio.co.jp

国内連絡先

TEL: 03-5632-9610 FAX: 03-5632-9619

# Catalog No.CBX00534

# Mouse monoclonal antibody Anti-Human SCYE1

#### **■** Formulation

Mouse monoclonal anti-human **SCYE1** antibody in PBS (3.0 mM KCl, 1.5 mM KH<sub>2</sub>PO<sub>4</sub>, 140 mM NaCl, 8.0 mM Na<sub>2</sub>HPO<sub>4</sub> (pH 7.4)) containing 1% bovine serum albumin (BSA) and 0.05% sodium azide (NaN<sub>3</sub>).

#### Antibody concentration

 $100 \mu g/ml (1.0 ml)$ 

#### **■**Storage

Store at 2-8°C for up to one year.

We recommend storing at  $-20^{\circ}$ C for long-term storage. Avoid repeat freezing and thawing cycles.

#### Preparation

This antibody was purified using protein G column chromatography from culture supernatant of hybridoma cultured in a medium containing bovine IgG-depleted (approximately 95%) fetal bovine serum.

#### Sterility

Filtered through a 0.22 µm membrane.

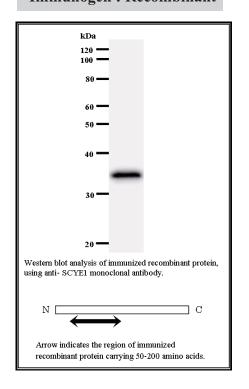
#### Applications

WB, Dot Blot

#### Disposal

This antibody solution contains sodium azide (NaN<sub>3</sub>) as a preservative. There is a potential hazard that NaN<sub>3</sub> reacts with copper or lead to produce an explosive compound. For safe disposal, the vial has to be washed thoroughly with water.

### Lot No. 284D2a-1 Clone No. 284D2a Antibody class: IgG1 Immunogen: Recombinant



#### ■ Safety warnings and precautions

Caution must be taken to avoid contact with skin or eyes. In such a case, rinse thoroughly at once with water. Do not ingest, inhale, or swallow. Seek medical attention immediately.

Wear appropriate protective clothing such as laboratory overalls, safety glasses and gloves.

It is strongly advised that this product should be handled by people who have been well trained in laboratory techniques and that it is handled with care pursuant to the principles of good laboratory practice. All chemicals are deemed potentially harmful.

The vial is prone to fall over. Use caution, especially when the lid is off.



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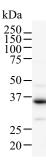
#### Background

The protein encoded by this gene is a cytokine that is specifically induced by apoptosis. The release of this cytokine renders the tumor-associated vasculature sensitive to tumor necrosis factor. The precursor of SCYE1 (pro-SCYE1) is identical to the p43 subunit, which is associated with the multi-tRNA synthetase complex. Therefore, pro-SCYE1 may function in binding RNA as part of the tRNA synthetase complex in normal cells and in stimulating inflammatory responses after proteolytic cleavage in tumor cells. [NCBI Entrez Gene Summary]

#### Recommended condition

WB: 0.2-2 μg/ml

#### Application



Detection of human SCYE1 by Western blot. Samples: Whole cell lysate (25  $\,\mu$  g) from HeLa cells. [Lot No. 284D2a-1

Predicted molecular weight: 34 kDa