

Product datasheet

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ARG55949 anti-ECM1 / Secretory Component antibody [SC05]

Package: 50 μg Store at: -20°C

Summary

Product Description Mouse Monoclonal antibody [SC05] recognizes ECM1 / Secretory Component

Tested Reactivity Hu, Rat

Tested Application FACS, ICC/IF, IHC-P

Host Mouse

Clonality Monoclonal

Clone SC05

Isotype IgG1, kappa

Target Name ECM1 / Secretory Component

Species Human

Immunogen Secretory component protein isolated from Human colostrum.

Conjugation Un-conjugated

Alternate Names URBWD; Extracellular matrix protein 1; Secretory component p85

Application Instructions

| Application table | Application | Dilution |
|-------------------|---|-----------------------|
| | FACS | 0.5 - 1 μg/10^6 cells |
| | ICC/IF | 1 - 2 μg/ml |
| | IHC-P | 0.5 - 1 μg/ml |
| Application Note | IHC-P: Antigen Retrieval: Boil tissue section in 10 mM Citrate buffer (pH 6.0) for 10-20 min, followed by cooling at RT for 20 min. * The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist. | |

Properties

| Form | Liquid |
|------|--------|
|------|--------|

Purification Purification with Protein G.

Buffer PBS (pH 7.4), 0.05% Sodium azide and 0.1 mg/ml BSA

Preservative 0.05% Sodium azide

Stabilizer 0.1 mg/ml BSA

Concentration 0.2 mg/ml

Storage instruction 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

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before use.

Note

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

Bioinformation

Database links <u>GeneID: 116662 Rat</u>

GenelD: 1893 Human

Swiss-port # Q16610 Human

Swiss-port # Q62894 Rat

Gene Symbol ECM1

Gene Full Name extracellular matrix protein 1

Background This gene encodes a soluble protein that is involved in endochondral bone formation, angiogenesis, and

tumor biology. It also interacts with a variety of extracellular and structural proteins, contributing to the maintenance of skin integrity and homeostasis. Mutations in this gene are associated with lipoid proteinosis disorder (also known as hyalinosis cutis et mucosae or Urbach-Wiethe disease) that is characterized by generalized thickening of skin, mucosae and certain viscera. Alternatively spliced transcript variants encoding distinct isoforms have been described for this gene. [provided by RefSeq,

Feb 2011]

Function Involved in endochondral bone formation as negative regulator of bone mineralization. Stimulates the

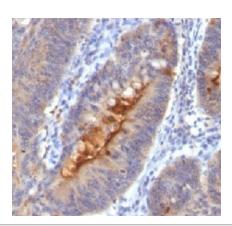
proliferation of endothelial cells and promotes angiogenesis. Inhibits MMP9 proteolytic activity.

[UniProt]

Calculated Mw 61 kDa

Cellular Localization Cell surface and cytoplasmic

Images



ARG55949 anti-ECM1 / Secretory Component antibody [SC05] IHC-P image

Immunohistochemistry: Human colon carcinoma stained with ARG55949 anti-ECM1 / Secretory Component antibody [SC05].