

## DESCRIPTION

<b>Species Reactivity</b>	Human
<b>Specificity</b>	Detects human EMILIN2 in direct ELISAs.
<b>Source</b>	Monoclonal Mouse IgG <sub>2B</sub> Clone # 1031401
<b>Purification</b>	Protein A or G purified from cell culture supernatant
<b>Immunogen</b>	Human EMILIN2 synthetic peptide
<b>Formulation</b>	Lyophilized from a 0.2 µm filtered solution in PBS with Trehalose. See Certificate of Analysis for details. *Small pack size (-SP) is supplied either lyophilized or as a 0.2 µm filtered solution in PBS.

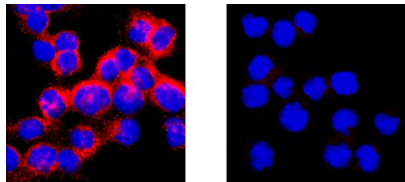
## APPLICATIONS

**Please Note:** Optimal dilutions should be determined by each laboratory for each application. [General Protocols](#) are available in the Technical Information section on our website.

	<b>Recommended Concentration</b>	<b>Sample</b>
<b>Immunocytochemistry</b>	8-25 µg/mL	Immersion fixed THP-1 human acute monocytic leukemia cell line

## DATA

**Immunocytochemistry**



Positive (THP-1 cells)

Negative (Daudi cells)

**EMILIN2 in THP-1 Human Cell Line.** EMILIN2 was detected in immersion fixed THP-1 human acute monocytic leukemia cell line (left panel; positive staining) and Daudi human Burkitt's lymphoma cell line (right panel; negative staining) using Mouse Anti-Human EMILIN2 Monoclonal Antibody (Catalog # MAB10590) at 8 µg/mL for 3 hours at room temperature. Cells were stained using the NorthernLights™ 557-conjugated Anti-Mouse IgG Secondary Antibody (red; Catalog # NL007) and counterstained with DAPI (blue). Specific staining was localized to cytoplasm. Staining was performed our protocol for Fluorescent ICC Staining of Non-adherent Cells.

## PREPARATION AND STORAGE

<b>Reconstitution</b>	Reconstitute at 0.5 mg/mL in sterile PBS.
<b>Shipping</b>	The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below. *Small pack size (-SP) is shipped with polar packs. Upon receipt, store it immediately at -20 to -70 °C
<b>Stability &amp; Storage</b>	<p><b>Use a manual defrost freezer and avoid repeated freeze-thaw cycles.</b></p> <ul style="list-style-type: none"> <li>• 12 months from date of receipt, -20 to -70 °C as supplied.</li> <li>• 1 month, 2 to 8 °C under sterile conditions after reconstitution.</li> <li>• 6 months, -20 to -70 °C under sterile conditions after reconstitution.</li> </ul>

## BACKGROUND

EMILIN (Elastin Microfibril Interface Located Protein) is an elastic fiber-associated glycoprotein. EMILIN2 is a protein that may be responsible for anchoring smooth muscles to elastin fibers. It also may be involved in the process that regulates vessel assembly. MRNA expression of EMILIN2 is more restricted compared to EMILIN1 with highest levels being present in fetal heart and adult lung. EMILIN2 is secreted extracellularly by in vitro-grown cells.