

**DESCRIPTION**

<b>Species Reactivity</b>	Human
<b>Specificity</b>	Detects human FAM3C in direct ELISAs and Western blots. In direct ELISAs and Western blots, no cross-reactivity with recombinant human (rh) FAM3A, rhFAM3B, recombinant mouse (rm) FAM3C, or rmFAM3D is observed.
<b>Source</b>	Monoclonal Mouse IgG <sub>2B</sub> Clone # 438618
<b>Purification</b>	Protein A or G purified from hybridoma culture supernatant
<b>Immunogen</b>	Mouse myeloma cell line NS0-derived recombinant human FAM3C Gln25-Asp227 Accession # Q92520
<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 as a 0.2 µm filtered solution in PBS.

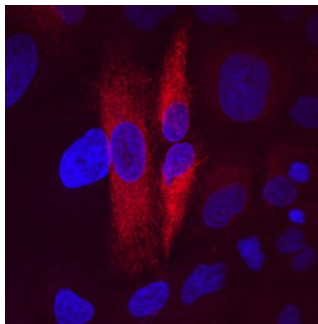
**APPLICATIONS**

**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>Western Blot</b>	1 µg/mL	Recombinant Human FAM3C
<b>Immunocytochemistry</b>	8-25 µg/mL	See Below

**DATA**

**Immunocytochemistry**



**FAM3C in A549 Human Cell Line.** FAM3C was detected in immersion fixed A549 human lung carcinoma cells treated with 10ng/mL of Recombinant Human TGF-beta 1 (Catalog # 240-B) for 48 hours using Mouse Anti-Human FAM3C Monoclonal Antibody (Catalog # MAB3084) at 10 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. View our protocol for [Fluorescent ICC Staining of Cells on Coverslips](#).

**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>	<b>Use a manual defrost freezer and avoid repeated freeze-thaw cycles.</b> <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**

FAM3C (Family with sequence similarity 3, member C), also known as D6WSU176e, is a secreted protein belonging to a cytokine-like family. Members of this family share a four helix bundle secondary structure similar to that found in many cytokines. FAM3C is ubiquitously expressed in multiple tissues. The human FAM3C gene has been identified to be a candidate gene for autosomal recessive non-syndromic hearing loss locus 17. The amino acid sequence of mature mouse FAM3C is 97% and 94% identical to that of rat and human FAM3C, respectively.