

**DESCRIPTION**

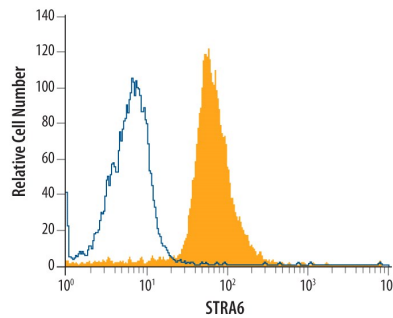
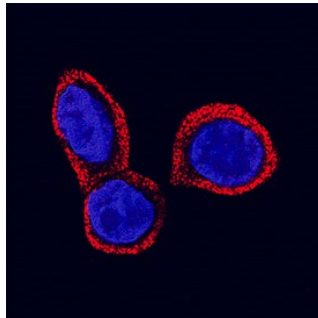
<b>Species Reactivity</b>	Human
<b>Specificity</b>	Detects human STRA6 in direct ELISAs.
<b>Source</b>	Monoclonal Mouse IgG <sub>1</sub> Clone # 496613
<b>Purification</b>	Protein A or G purified from hybridoma culture supernatant
<b>Immunogen</b>	NS0 mouse myeloma cell line transfected with human STRA6 Met1-Pro667 Accession # AAH25256
<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>Immunocytochemistry</b>	8-25 µg/mL	See Below
<b>Intracellular Staining by Flow Cytometry</b>	2.5 µg/10 <sup>6</sup> cells	See Below
<b>CyTOF-ready</b>	Ready to be labeled using established conjugation methods. No BSA or other carrier proteins that could interfere with conjugation.	

**DATA**

<p><b>Intracellular Staining by Flow Cytometry</b></p>  <p><b>Detection of STRA6 in HT-29 Human Cell Line by Flow Cytometry.</b> HT-29 human colon adenocarcinoma cell line was stained with Mouse Anti-Human STRA6 Monoclonal Antibody (Catalog # MAB5904, filled histogram) or isotype control antibody (Catalog # MAB002, open histogram), followed by Allophycocyanin-conjugated Anti-Mouse IgG F(ab')<sub>2</sub> Secondary Antibody (Catalog # F0101B). To facilitate intracellular staining, cells were fixed with paraformaldehyde and permeabilized with saponin.</p>	<p><b>Immunocytochemistry</b></p>  <p><b>STRA6 in Raji Human Cell Line.</b> STRA6 was detected in immersion fixed Raji human Burkitt's lymphoma cell line using Mouse Anti-Human STRA6 Monoclonal Antibody (Catalog # MAB5904) at 3 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 plasma membrane and cytoplasm. View our protocol for <a href="#">Fluorescent ICC Staining of Non-adherent Cells</a>.</p>
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**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**

Stimulated by retinoic acid gene 6 protein homolog (STRA6) is a 74 kDa broadly expressed transmembrane protein that does not belong to any particular family of proteins. Human STRA6 is 667 amino acids (aa) in length. It contains nine transmembrane regions and one potential N-linked glycosylation site in the first extracellular domain. In addition, there are three splicing variants producing four isoforms. There is no signal sequence. Human STRA6 is 80% identical to bovine STRA6 and 74% identical to mouse and rat STRA6. STRA6 may act as a high-affinity cell-surface receptor for the complex retinol-retinol binding protein (RBP/RBP4). Defects in STRA6 are the cause of Spear syndrome and Matthew-Wood syndrome.