

**DESCRIPTION**

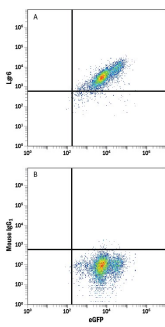
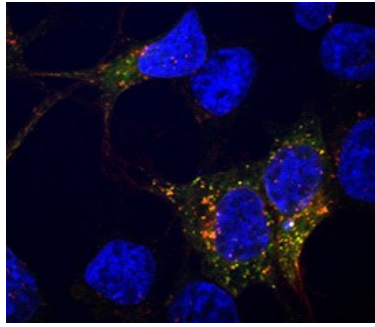
<b>Species Reactivity</b>	Human
<b>Specificity</b>	Stains human Lgr6 transfectants but not irrelevant transfectants in flow cytometry.
<b>Source</b>	Monoclonal Mouse IgG <sub>1</sub> Clone # 918719
<b>Purification</b>	Protein A or G purified from hybridoma culture supernatant
<b>Immunogen</b>	NS0 mouse myeloma cell line transfected with human Lgr6 Met1-Val967 Accession # Q9HBX8
<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>Flow Cytometry</b>	0.25 µg/10 <sup>6</sup> cells	See Below
<b>Immunocytochemistry</b>	8-25 µg/mL	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>Flow Cytometry</b></p>  <p><b>Detection of Lgr6 in HEK293 Human Cell Line Transfected with Human Lgr6 and eGFP by Flow Cytometry.</b> HEK293 human embryonic kidney cell line transfected with human Lgr6 and eGFP was stained with either (A) Mouse Anti-Human Lgr6 Monoclonal Antibody (Catalog # MAB8458) or (B) Mouse IgG<sub>1</sub> Isotype Control (Catalog # MAB002) followed by Allophycocyanin-conjugated Anti-Mouse IgG Secondary Antibody (Catalog # F0101B).</p>	<p><b>Immunocytochemistry</b></p>  <p><b>Lgr6 in HEK293 Human Cell Line.</b> Lgr6 was detected in immersion fixed HEK293 human embryonic kidney cell line transfected with human Lgr6 and eGFP (green) using Mouse Anti-Human Lgr6 Monoclonal Antibody (Catalog # MAB8458) 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 <a href="#">Fluorescent ICC Staining of Cells on Coverslips</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**

Lgr6 is a glycoprotein hormone receptor phosphorylated upon DNA damage, probably by ATM or ATR. It is a member of the leucine-rich repeat-containing subgroup of the G protein-coupled 7-transmembrane protein superfamily. Lgr6 is a high affinity receptor for R-Spondins 1-3 and potentially functions as a tumor suppressor despite its positive effect on Wnt/β-Catenin signaling.