Human LRIG2 Antibody

Monoclonal Mouse IgG_1 Clone # 990310

Catalog Number: MAB1941

DESCRIPTION

Species Reactivity	Human
Specificity	Detects human LRIG-2 in direct ELISAs.
Source	Monoclonal Mouse IgG_1 Clone # 990310
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	Chinese hamster ovary cell line CHO-derived recombinant human LRIG-2 Gly41-Thr805 Accession # O94898
Formulation	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.

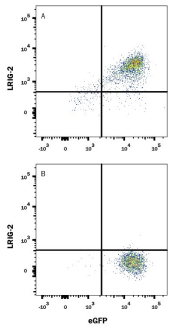
APPLICATIONS

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.*

	Recommended Concentration	Sample
Flow Cytometry	0.25 µg/10^6 cells	See Below
Immunocytochemistry	5-25 µg/mL	See Below
CyTOF-ready	Ready to be labeled using established conjugation methods. No BSA or other carrier proteins that could interfere with conjugation.	

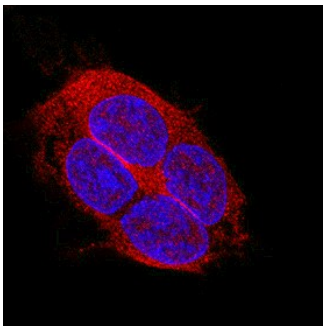
DATA

Flow Cytometry



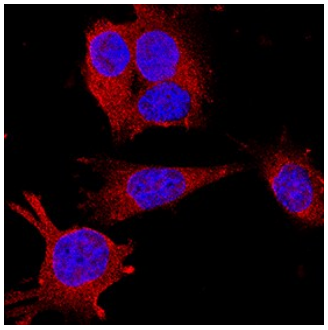
Detection of LRIG-2 in HEK293 Human Cell Line Transfected with Human LRIG-2 and eGFP by Flow Cytometry. HEK293 human embryonic kidney cell line transfected with (A) human LRIG-2 or (B) irrelevant transfectants and eGFP was stained with Mouse Anti-Human LRIG-2 Monoclonal Antibody (Catalog # MAB1941) followed by APC-conjugated Anti-Mouse IgG Secondary Antibody (Catalog # F0101B). Quadrant markers were set based on control antibody staining (Catalog # MAB002). View our protocol for Staining Membrane-associated Proteins.

Immunocytochemistry



LRIG2 in WM-115 Human Cell Line. LRIG2 was detected in immersion fixed WM-115 human malignant melanoma cell line using Mouse Anti-Human LRIG2 Monoclonal Antibody (Catalog # MAB1941) 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. View our protocol for Fluorescent ICC Staining of Cells on Coverslips.

Immunocytochemistry



LRIG2 in IMCD3 Mouse Cell Line. LRIG2 was detected in immersion fixed IMCD3 mouse inner medullary collecting duct cell line using Mouse Anti-Human LRIG2 Monoclonal Antibody (Catalog # MAB1941) at 25 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

Reconstitution	Reconstitute at 0.5 mg/mL in sterile PBS.
Shipping	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
Stability & Storage	**Use a manual defrost freezer and avoid repeated freeze-thaw cycles.** ● 12 months from date of receipt, -20 to -70 °C as supplied. ● 1 month, 2 to 8 °C under sterile conditions after reconstitution. ● 6 months, -20 to -70 °C under sterile conditions after reconstitution.

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BACKGROUND

LRIG2 (leucine-rich repeats and Ig-like domains-2; also LIG-2) is an approximately 119-132 kDa glycoprotein that belongs to the LRIG gene family. The LRIG2 protein was predicted to have the same domain organization as LRIG1with a signal peptide, an extracellular part containing 15 leucine-rich repeats and three immunoglobulin-like domains, a transmembrane domain, and a cytoplasmic tail. Over aa 41-805, human LRIG2 shares 94%, 93% and 92% aa sequence identity with mouse, rat and macaque LRIG2 respectively.

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