PRODUCT INFORMATION

Target	PTPRG
Description	Monoclonal Cell Line Derived from K562 Cells, Engineered for Stable Expression of Human PTPRG Using Lentiviral Technology
Host Cells	K562
Uniprot ID	P23470
Applications	FACS Data
Growth media	RPMI-1640+10% FBS+1% P.S+Gln+2 ug/mL Puromycin
Package	5E6 Cells/mL
Suggested Control	SKU: DMC101351
Warranty and Disclaimer	1. Please inspect cells upon receipt and report any issues promptly. 2. We offer one-time replacements for issues reported within a week of receipt. 3. User-induced issues are not eligible for free replacements. 4. We do not accept liability for damages resulting from cell use, storage, or loss. 5. Feedback received more than one month after receipt will not be processed.
Storage&Shipping	Cells are shipped using dry ice and require liquid nitrogen storage for long term preservation.
Synonyms	PTPG; HPTPG; RPTPG; R-PTP-GAMMA
Background	The protein encoded by this gene is a member of the protein tyrosine phosphatase (PTP) family. PTPs are known to be signaling molecules that regulate a variety of cellular processes including cell growth, differentiation, mitotic cycle, and oncogenic transformation. This PTP possesses an extracellular region, a single transmembrane region, and two tandem intracytoplasmic catalytic domains, and thus represents a receptor-type PTP. The extracellular region of this PTP contains a carbonic anhydrase-like (CAH) domain, which is also found in the extracellular region of PTPRBETA/ZETA. This gene is located in a chromosomal region that is frequently deleted in renal cell carcinoma and lung carcinoma, thus is thought to be a candidate tumor suppressor gene. [provided by RefSeq, Jul 2008]
Usage	For research use only.

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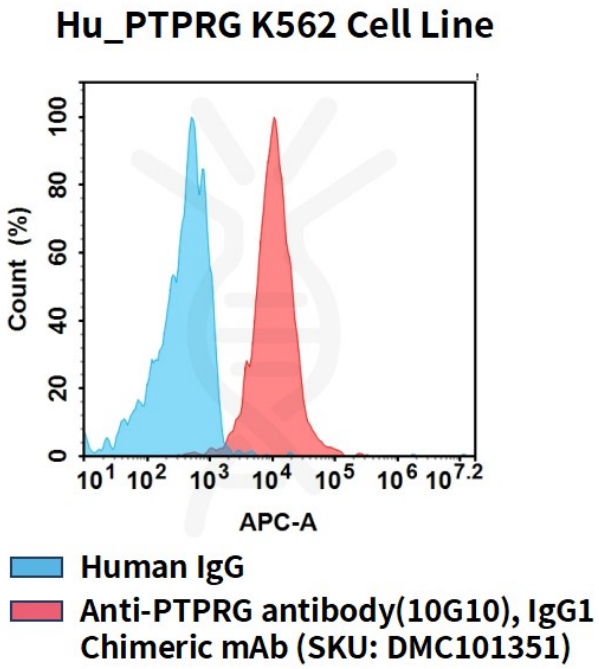


Figure 1. Flow cytometry analysis of human PTPRG overexpression using Hu_PTPRG K562 Cell Line (Cat. No. CEL100103) and Anti-PTPRG antibody(10G10), IgG1 Chimeric mAb (Cat. No. DMC101351)

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