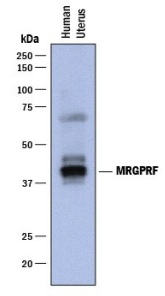
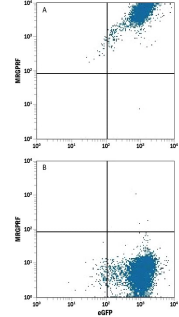


DESCRIPTION	
Species Reactivity	Human
Specificity	Detects HEK293 human embryonic kidney cell line transfected with human MRGPRF by Flow Cytometry. Does not detect untransfected or irrelevant transfected HEK293 cells.
Source	Monoclonal Mouse IgG ₁ Clone # 916219
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	NS0 mouse myeloma cell line transfected with human MRGPRF Met1-Ser343 Accession # NP_659452
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 as a 0.2 µm filtered solution in PBS.

APPLICATIONS		
Please Note: Optimal dilutions should be determined by each laboratory for each application. <i>General Protocols</i> are available in the <i>Technical Information</i> section on our website.		
	Recommended Concentration	Sample
Western Blot	2 µg/mL	See Below
Flow Cytometry	0.25 µg/10 ⁶ cells	See Below
CyTOF-ready	Ready to be labeled using established conjugation methods. No BSA or other carrier proteins that could interfere with conjugation.	

DATA	
<p>Western Blot</p>  <p>Detection of Human MRGPRF by Western Blot. Western blot shows lysates of human uterus tissue. PVDF membrane was probed with 2 µg/mL of Mouse Anti-Human MRGPRF Monoclonal Antibody (Catalog # MAB8396) followed by HRP-conjugated Anti-Mouse IgG Secondary Antibody (Catalog # HAF018). A specific band was detected for MRGPRF at approximately 40 kDa (as indicated). This experiment was conducted under reducing conditions and using Immunoblot Buffer Group 1.</p>	<p>Flow Cytometry</p>  <p>Detection of MRGPRF in HEK293 Human Cell Line Transfected with Human MRGPRF and eGFP by Flow Cytometry. HEK293 human embryonic kidney cell line transfected with either (A) human MRGPRF or (B) irrelevant transfectants and eGFP was stained with Mouse Anti-Human MRGPRF Monoclonal Antibody (Catalog # MAB8396) followed by Allophycocyanin-conjugated Anti-Mouse IgG Secondary Antibody (Catalog # F0101B). Quadrant markers were set based on control antibody staining (Catalog # MAB002).</p>

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. <ul style="list-style-type: none"> ● 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.

BACKGROUND
MRGPRF (MAS-related GPR, Member F), also known as RTA, MRGF, GPR140 or GPR168, belongs to the G protein coupled receptor 1 family. MRGPRF may be upregulated during the process of CSF-1 or GM-CSF-induced human monocyte to macrophage differentiation (1).

References:

1. Hohenhaus D.M., *et al.* (2013) Immunobiology **218**:1345.