

SCF Monoclonal Antibody (OTI5F6)

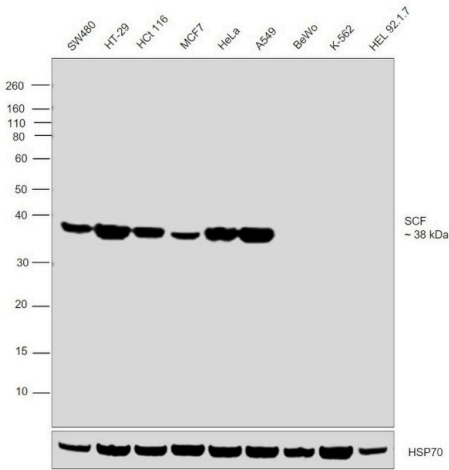
Product Details	
Size	100 µL
Species Reactivity	Human
Host/Isotype	Mouse / IgG1
Class	Monoclonal
Type	Antibody
Clone	OTI5F6
Conjugate	Unconjugated
Immunogen	Full length human recombinant protein of KITLG produced in HEK293T cell
Form	Liquid
Concentration	1 mg/mL
Purification	Affinity Chromatography
Storage buffer	PBS, pH 7.3, with 1% BSA, 50% glycerol
Contains	0.02% sodium azide
Storage conditions	-20° C, Avoid Freeze/Thaw Cycles
RRID	AB_2725298

Applications	Tested Dilution	Publications
Western Blot (WB)	1:4,000	-
Immunohistochemistry (Paraffin) (IHC (P))	1:150	-
Immunocytochemistry (ICC/IF)	1:100	-

Product Images For SCF Monoclonal Antibody (OTI5F6)

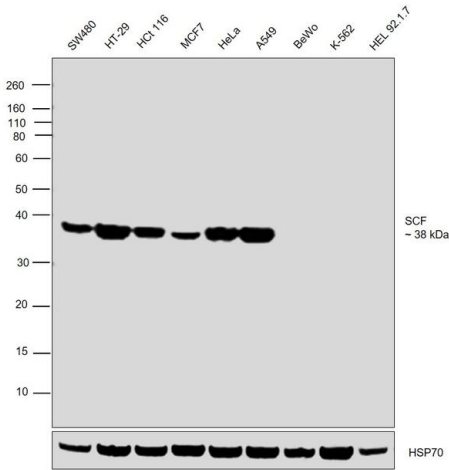
SCF Antibody (MA5-26328)

Antibody specificity was demonstrated by detection of differential basal expression of the target across cell lines owing to their inherent genetic constitution. Relative expression of SCF was observed across the cell lines except K-562 and HEL 92.1.7 which are reported to be negative using Anti-SCF Monoclonal Antibody (OTI5F6) (Product # MA5-26328) in Western Blot. {RE}



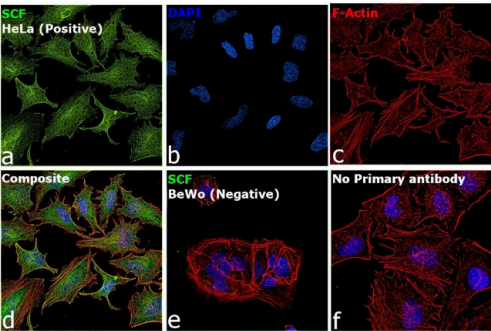
SCF Antibody (MA5-26328) in WB

Western blot was performed using Anti-SCF Monoclonal Antibody (OTI5F6) (Product # MA5-26328) and a 38 kDa band corresponding to SCF was observed across the cell lines except K-562 and HEL 92.1.7 which are reported to be negative. Whole cell extracts (30 µg lysate) of SW480 (Lane 1), HT-29 (Lane 2), HCT 116 (Lane 3), MCF7 (Lane 4), HeLa (Lane 5), A549 (Lane 6), BeWo (Lane 7), K-562 (Lane 8) and HEL 92.1.7 (Lane 9) were electrophoresed using NuPAGE™ 10% Bis-Tris Protein Gel (Product # NP0302BOX). Resolved proteins were then transferred onto a Nitrocellulose membrane (Product # IB23001) by iBlot® 2 Dry Blotting System (Product # IB21001). The blot was probed with the primary antibody (1:4000 dilution) and detected by chemiluminescence with Goat anti-Mouse IgG (H+L) Superclonal™ Recombinant Secondary Antibody, HRP (Product # A28177, 1:4000 dilution) using the iBright FL 1000 (Product # A32752). Chemiluminescent detection was performed using Novex® ECL Chemiluminescent Substrate Reagent Kit (Product # WP20005).



SCF Antibody (MA5-26328) in ICC/IF

Immunofluorescence analysis of SCF was performed using 70% confluent log phase HeLa cells. The cells were fixed with 4% paraformaldehyde for 10 minutes, permeabilized with 0.1% Triton™ X-100 for 15 minutes, and blocked with 2% BSA for 45 minutes at room temperature. The cells were labeled with SCF Monoclonal Antibody (OTI5F6) (Product # MA5-26328) at 1:100 dilution in 0.1% BSA, incubated at 4 degree celsius overnight and then labeled with Donkey anti-Mouse IgG (H+L) Highly Cross-Adsorbed Secondary Antibody, Alexa Fluor Plus 647 (Product # A32787), (1:2000 dilution), for 45 minutes at room temperature (Panel a: Green). Nuclei (Panel b: Blue) were stained with ProLong™ Diamond Antifade Mountant with DAPI (Product # P36962). F-actin (Panel c: Red) was stained with Rhodamine Phalloidin (Product # R415, 1:300). Panel d represents the merged image showing Plasma membrane localization. Panel e represents BeWo cells having no expression of SCF. Panel f represents control cells with no primary antibody to assess background. The images were captured at 60X magnification.



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