

TREM2 Polyclonal Antibody

Product Details	
Size	100 µg
Species	Human
Expression System	Goat / IgG
Class	Polyclonal
Type	Antibody
Conjugate	Unconjugated
Immunogen	Mouse myeloma cell line NS0-derived recombinant human TREM-2 His19-Ser174
Form	Lyophilized
Concentration	0.2 mg/mL
Purification	Antigen affinity chromatography
Storage buffer	PBS with 5% trehalose
Contains	No Preservative
Storage Conditions	-20° C, Avoid Freeze/Thaw Cycles
RRID	AB_2576895

Applications	Tested Dilution	Publications
Flow Cytometry (Flow)	2.5 µg/1x10 ⁶ cells	-
Immunocytochemistry (ICC)	5-20 µg/mL	-
Immunofluorescence (IF)	5-20 µg/mL	-
Western Blot (WB)	1:1000	-

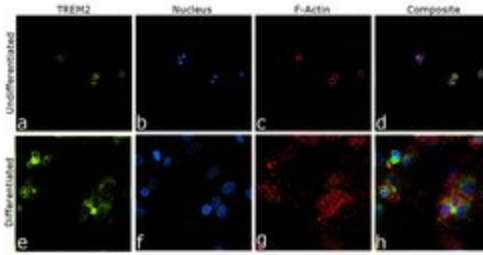
Product Specific Information

In direct ELISAs, approximately 5% cross-reactivity with recombinant mouse (rm) TREM-2b is observed and less than 1% cross-reactivity with recombinant human (rh) TREM-1, rhTLT-1, rmTREM-L2, rmTREM-3 and rmTREM-4 is observed.

Reconstitute at 0.2 mg/mL in sterile PBS.

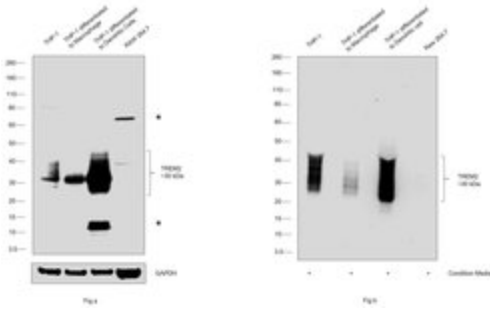
TREM2 Antibody (PA5-46980)

Antibody specificity was demonstrated by detection of differential basal expression of the target across cell models owing to their inherent genetic constitution. Immunofluorescence analysis using Anti-TREM2 Recombinant Rabbit Monoclonal Antibody (Product # PA5-46980) detects TREM2 in differentiated dendritic cells in comparison to lower expression in undifferentiated THP-1 cells. Relative expression validation info.



TREM2 Antibody (PA5-46980)

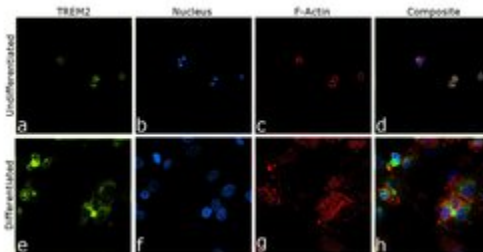
Antibody specificity was demonstrated by detection of differential basal expression of the target across Cell lines tested owing to their inherent genetic constitution. Relative expression of TREM2 was observed in THP-1 differentiated to Macrophage and Dendritic cells in comparison to lower expression in undifferentiated THP-1 cells using TREM2 Polyclonal Antibody (Product # PA5-46980) in Western Blot. Relative expression validation info.



Product Images For TREM2 Polyclonal Antibody

TREM2 Antibody (PA5-46980) in ICC

Immunofluorescence analysis of TREM2 was performed using 70% confluent log phase THP-1 cells. The cells were fixed with 4% paraformaldehyde for 10 minutes, permeabilized with 0.1% Triton™ X-100 for 10 minutes and blocked with 2% BSA for 45 minutes at room temperature. The cells were labeled with TREM2 Polyclonal Antibody (Product # PA5-46980) at 20 ug/ml in 0.1% BSA, incubated at 4 degree celsius overnight and then labeled with Rabbit anti-Goat IgG (H+L) Cross-Adsorbed Secondary Antibody, Alexa Fluor 488 (Product # A-11078), (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 (a-d) shows representative control cells that were stained for detection and localization of TREM2 protein (green) with reduced membrane signal in undifferentiated cells compared to panel (e-h) clearly showing enhanced membrane localization in cells differentiated to dendritic cell phenotype demonstrating specificity. The images were captured at 60X magnification.



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