

# ICAM-2 Polyclonal Antibody

Product Details	
Size	100 µg
Species Reactivity	Human
Host/Isotype	Goat / IgG
Class	Polyclonal
Type	Antibody
Conjugate	Unconjugated
Immunogen	Sf 21-derived recombinant human ICAM-2/CD102 Lys25-Gln223
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_2609444

Applications	Tested Dilution	Publications
Western Blot (WB)	0.1 µg/mL	-
Immunocytochemistry (ICC/IF)	5 µg/mL	-
Flow Cytometry (Flow)	2.5 µg per million cells	-
Neutralization (Neu)	Assay-Dependent	-

## Product Specific Information

In direct ELISAs, less than 1% cross-reactivity with recombinant human (rh) ICAM-1 and rhICAM-3 is observed.

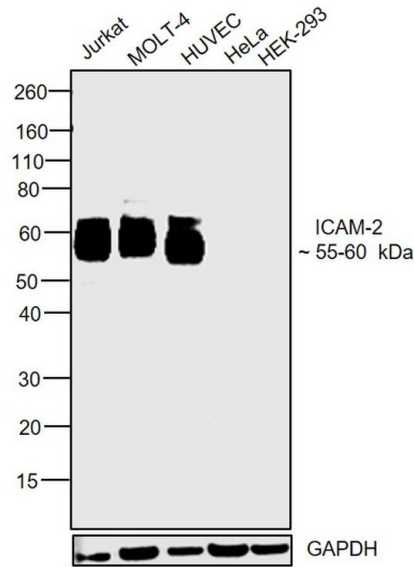
Reconstitute at 0.2 mg/mL in sterile PBS.

Endoxin level is <0.10 EU per 1 µg of the antibody by the LAL method.

Product Images For ICAM-2 Polyclonal Antibody

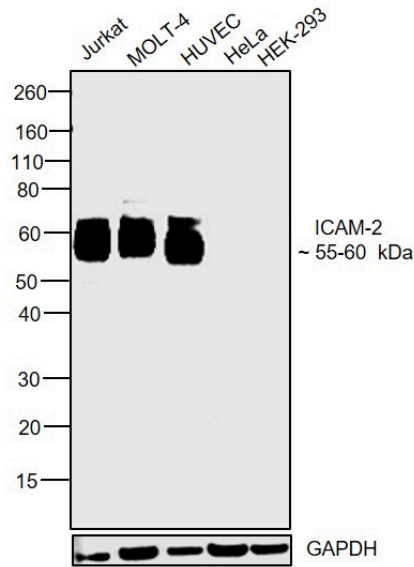
ICAM-2 Antibody (PA5-47320) in WB

Western blot was performed using Anti-ICAM-2 Polyclonal Antibody (Product # PA5-47320) and bands at 55-60 kDa corresponding to ICAM-2 was observed across all the cell lines tested except HeLa and HEK-293 which are reported to be negative. Membrane enriched extracts (30 µg lysate) of Jurkat (Lane 1), MOLT-4 (Lane 2), HUVEC (Lane 3), HeLa (Lane 4) and HEK-293 (Lane 5) were electrophoresed using NuPAGE™ 4-12% Bis-Tris Protein Gel (Product # NP0322BOX). 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 (0.1 µg/mL) and detected by chemiluminescence with Rabbit anti-Goat IgG Heavy Chain, Superclonal™ Recombinant Secondary Antibody, HRP (Product # A27014), 1: 4,000 dilution) using the iBright FL 1000 (Product # A32752). Chemiluminescent detection was performed using Novex® ECL Chemiluminescent Substrate Reagent Kit (Product # WP20005).



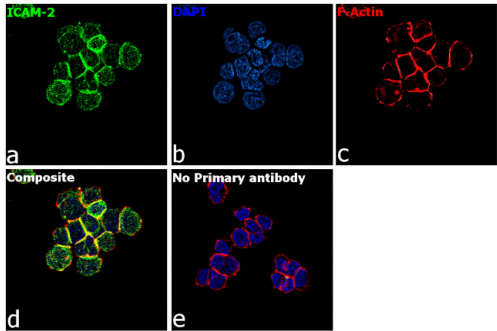
ICAM-2 Antibody (PA5-47320)

Antibody specificity was demonstrated by detection of differential basal expression of the target across cells lines tested owing to their inherent genetic constitution. Relative expression of ICAM-2 was observed in Jurkat, MOLT-4 and HUVEC in comparison to HeLa and HEK-293 using Anti-ICAM-2 Polyclonal Antibody (Product # PA5-47320) in Western Blot. {RE}



ICAM-2 Antibody (PA5-47320) in ICC/IF

Immunofluorescence analysis of ICAM-2 was performed using 70% confluent log phase Jurkat 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 1 hour at room temperature. The cells were labeled with ICAM-2 Goat Polyclonal Antibody (Product # PA5-47320) at 5 µg/mL in 0.1% BSA, incubated at 4 degree Celsius overnight and then labeled with Rabbit anti-Goat IgG Heavy Chain Cross-Adsorbed Secondary Antibody, Alexa Fluor 488 (Product # A27012) at a dilution of 1:2000 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). Panel d represents the merged image showing membrane localization. Panel e represents control cells with no primary antibody to assess background. The images were captured at 60X magnification.



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