

# CD50 Polyclonal Antibody

Catalog # AP68950

## Product Information

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|--------------------------|------------------------|
| <b>Application</b>       | WB, IF, ICC, E         |
| <b>Primary Accession</b> | <a href="#">P32942</a> |
| <b>Reactivity</b>        | Human, Rat, Mouse      |
| <b>Host</b>              | Rabbit                 |
| <b>Clonality</b>         | Polyclonal             |
| <b>Calculated MW</b>     | 59541                  |

## Additional Information

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|---------------------------|---|
| <b>Gene ID</b>            | 3385  |
| <b>Other Names</b>        | ICAM3; Intercellular adhesion molecule 3; ICAM-3; CDw50; ICAM-R; CD antigen CD50  |
| <b>Dilution</b>           | WB--Western Blot: 1/500 - 1/2000. Immunofluorescence: 1/200 - 1/1000. ELISA: 1/5000. Not yet tested in other applications. IF--1:50~200 ICC--N/A E--N/A |
| <b>Format</b>             | Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.09% (W/V) sodium azide.   |
| <b>Storage Conditions</b> | -20°C   |

## Protein Information

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|--------------------------|--|
| <b>Name</b>              | ICAM3 ( <a href="#">HGNC:5346</a> )  |
| <b>Function</b>          | Cell adhesion molecule that functions as a receptor ligand of the signaling receptor ITGAL:ITGB2/LFA-1 (lymphocyte-function associated (LFA) molecule 1) ensuring apoptotic neutrophil phagocytosis by macrophages (PubMed: <a href="#">1448173</a> , PubMed: <a href="#">1448174</a> , PubMed: <a href="#">23775590</a> , PubMed: <a href="#">8325327</a> , PubMed: <a href="#">8459213</a> ). Is also a ligand for integrin ITGAD/ITGB2 (PubMed: <a href="#">8777714</a> ). Ligand of CD209 on dendritic cells (DC) through an integrin-independent mechanism that requires Ca(2+) and that forms a first contact between DC and resting T cell, facilitating the downstream DC-T cell clustering process and DC-induced proliferation of resting T Cells (PubMed: <a href="#">10721994</a> ). |
| <b>Cellular Location</b> | Cell membrane; Single-pass type I membrane protein Note=Localization at uropodium is mediated through interaction with MSN.  |
| <b>Tissue Location</b>   | Constitutively expressed only on resting leukocytes (PubMed:8325327). No expressed on resting or cytokine-activated endothelial cells  |

(PubMed:1448174).

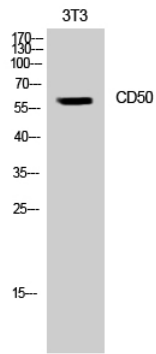
## Background

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ICAM proteins are ligands for the leukocyte adhesion protein LFA-1 (integrin alpha-L/beta-2) (PubMed:[1448173](#)). ICAM3 is also a ligand for integrin alpha-D/beta-2. In association with integrin alpha-L/beta-2, contributes to apoptotic neutrophil phagocytosis by macrophages (PubMed:[23775590](#)).

## Images

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Western Blot analysis of NIH-3T3 cells using CD50 Polyclonal Antibody

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.