

## Anti-CD50/ICAM3 Antibody

Catalog Number: A03651-2

### About ICAM3

ICAM3 (Intercellular adhesion molecule 3) is also named as CD50, CDw50 and ICAM-R. ICAM3 is a member of the intercellular adhesion molecule (ICAM) family. ICAM3, being expressed constitutively on T cells and other leukocytes, is a potent signalling molecule and a major ligand in the initiation of T cell-mediated immune responses (PMID: 1448173, PMID: 11812993). ICAM3 is the natural ligand for both DC-SIGN and L-SIGN (PMID: 17570115). ICAM3 is abundantly and constitutively expressed in all leukocytes and is probably the most important ligand for LFA-1 in initiating immune responses, and ICAM3 is a typical type I transmembrane glycoprotein (PMID: 39991572). The promoter region of ICAM3 can be bound by co-transcription factors such as ETs and C/EBP, promoting macrophage maturation as well as monocyte extravasation (PMID: 22479382). ICAM3 is widely expressed not only in lymphocytes such as T and B cells but also in many endothelial cells and dendritic cells (PMID: 39991572).

### Overview

Product Name	Anti-CD50/ICAM3 Antibody
Reactive Species	Human
Description	Boster Bio Anti-CD50/ICAM3 Antibody catalog # A03651-2. Tested in WB, IHC, IP, ELISA applications. This antibody reacts with Human.
Application	ELISA, IP, IHC, WB
Clonality	Polyclonal
Formulation	500 ug/ml antibody with PBS, 0.02% NaN <sub>3</sub> , 1 mg stabilizing protein and 50% glycerol *This antibody is supplied in a stabilized formulation. Compatibility with conjugation reactions depends on the chemistry of the conjugation method used. For conjugation methods that are not compatible with the stabilizing components present in this formulation, a carrier-free antibody format is required.
Storage Instructions	12 months from date of receipt at -20°C as supplied. 6 months at 2 to 8°C after reconstitution. Avoid repeated freezing and thawing.
Host	Rabbit
Uniprot ID	P32942

### Technical Details

Immunogen	E.coli-derived human CD50/ICAM3 recombinant protein (Position: G202-R545).
Form	Liquid
Concentration	500 ug/ml
Purification	Immunogen affinity purified.

Suggested Dilutions

Western blot, 1:500-2000  
Immunohistochemistry, 1:50-400  
ELISA, 1:100-1000

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**Anti-CD50/ICAM3 Antibody**

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