

## 36-2516: Anti-CD50 / ICAM3 Monoclonal Antibody(Clone: 186-2G9)

|                                |  |
|--------------------------------|--|
| <b>Clonality :</b>             | Monoclonal                                       |
| <b>Clone Name :</b>            | 186-2G9  |
| <b>Application :</b>           | IF,IHC,  |
| <b>Reactivity :</b>            | Human  |
| <b>Gene :</b>                  | ICAM3  |
| <b>Gene ID :</b>               | 3385   |
| <b>Uniprot ID :</b>            | P32942   |
| <b>Alternative Name :</b>      | ICAMR; Intercellular adhesion molecule 3 (ICAM3) |
| <b>Isotype :</b>               | Mouse IgG2b, kappa                               |
| <b>Immunogen Information :</b> | Stimulated human leukocytes                      |

### Description

Recognizes the D1 domain of an N-glycosylated glycoprotein of 120kDa with intra-chain disulfide bonds, identified as CD50 or ICAM-3 (Leucocyte Workshop VI). CD50 is the major ligand for LFA-1 (CD11a/CD18) and may have signaling role to increase adhesion. It is expressed on thymocytes and T lymphocytes and is resistant to treatment with phosphatidylinositol (PI) phospholipase C. This MAb is excellent for staining of formalin/paraffin tissues.

### Product Info

|                            |   |
|----------------------------|---|
| <b>Amount :</b>            | 20 µg / 100 µg  |
| <b>Content :</b>           | 200 µg/ml of Ab Purified from Bioreactor Concentrate by Protein A/G. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml. |
| <b>Storage condition :</b> | Antibody with azide - store at 2 to 8°C. Antibody without azide - store at -20 to -80°C. Antibody is stable for 24 months. Non-hazardous.                               |

### Application Note

Blocks binding of CD11a (LFA-1) to CD50 (ICAM-3) (Order Ab without Azide);Immunofluorescence (1-2ug/ml); Immunohistochemistry (Formalin-fixed) (1-2ug/ml for 30 minutes at RT)(Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 45 min at 95&degC followed by cooling at RT for 20 minutes);

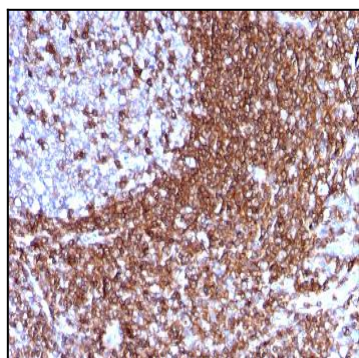


Fig. 1: Formalin-fixed, paraffin-embedded human Tonsil stained with CD50 Mouse Monoclonal Antibody (186-2G9).

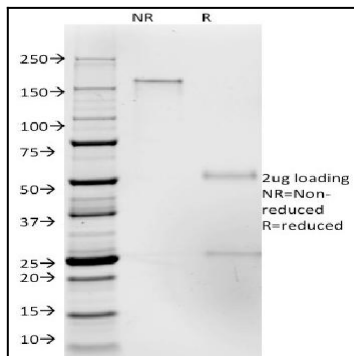


Fig. 2: SDS-PAGE Analysis Purified CD50 Mouse Monoclonal Antibody (186-2G9).  
Confirmation of Purity and Integrity of Antibody.