

CD50 Antibody [clone 186-2G9] (V2138)

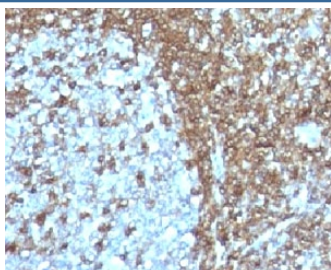
| Catalog No. | Formulation | Size |
|----------------|---|--------|
| V2138-100UG | 0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide | 100 ug |
| V2138-20UG | 0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide | 20 ug |
| V2138SAF-100UG | 1 mg/ml in 1X PBS; BSA free, sodium azide free | 100 ug |
| V2138IHC-7ML | Prediluted in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide; *For IHC use only* | 7 ml |



Citations (2)

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|--------------------|---|
| Species Reactivity | Human |
| Format | Purified |
| Host | Mouse |
| Clonality | Monoclonal (mouse origin) |
| Isotype | Mouse IgG2b, kappa |
| Clone Name | 186-2G9 |
| Purity | Protein G affinity chromatography |
| Buffer | 1X PBS, pH 7.4 |
| Gene ID | 3385 |
| Localization | Membrane, cytoplasm |
| Applications | Blocks Binding Of CD11a (LFA-1) To CD50 (ICAM-3) (order BSA/sodium Azide-free Format) : Immunofluorescence : 0.5-1ug/ml Immunohistochemistry (FFPE) : 0.5-1ug/ml for 30 min at RT |
| Limitations | This CD50 antibody is available for research use only. |



IHC analysis of FFPE human tonsil with CD50 antibody (clone 186-2G9).

Description

This antibody recognizes the D1 domain of an N-glycosylated glycoprotein of 120kDa with intra-chain disulfide bonds, identified as CD50 or ICAM3 (Leucocyte Workshop VI). It 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 CD50 antibody is excellent for staining of formalin/paraffin tissues.

Application Notes

The concentration stated for each application is a general starting point. Variations in protocols, secondaries and substrates may require the CD50 antibody to be titrated up or down for optimal performance.

1. Staining of formalin-fixed tissues requires boiling tissue sections in 10mM citrate buffer, pH 6.0, for 10-20 min followed by cooling at RT for 20 minutes.
2. The prediluted format is supplied in a dropper bottle and is optimized for use in IHC. After epitope retrieval step (if required), drip mAb solution onto the tissue section and incubate at RT for 30 min.

Immunogen

Stimulated human leukocytes were used as the immunogen for this CD50 antibody.

Storage

Store the CD50 antibody at 2-8oC (with azide) or aliquot and store at -20oC or colder (without azide).

Alternate Names

ICAMR; Intercellular adhesion molecule 3

References (2)