

### 36-3521: Anti-CD9 (TSPAN29) (Motility-Related Protein-1) Monoclonal Antibody(Clone: CD9/1619)

|                                |   |
|--------------------------------|---|
| <b>Clonality :</b>             | Monoclonal  |
| <b>Clone Name :</b>            | CD9/1619  |
| <b>Application :</b>           | FACS,IHC  |
| <b>Reactivity :</b>            | Human   |
| <b>Gene :</b>                  | CD9   |
| <b>Gene ID :</b>               | 928   |
| <b>Uniprot ID :</b>            | P21926  |
| <b>Alternative Name :</b>      | Tetraspanin-29 (TSPAN29); BA-2/p24 antigen; BA2; BTCC1; CD9; Cell growth-inhibiting gene 2 protein (GIG2); DRAP27; Leukocyte antigen MIC3; Motility-related protein (MRP1); p24 |
| <b>Isotype :</b>               | Mouse IgG1, kappa   |
| <b>Immunogen Information :</b> | Recombinant full-length human CD9 protein   |

#### Description

CD9 is a type IV transmembrane glycoprotein with four transmembrane domains. CD9 on pre-B cells may play a role in cell-cell adhesion. In addition, CD9 may play a role in signal transduction mediated by interaction with low molecular weight GTP binding proteins. CD9 is expressed on early B cells, eosinophils, basophils and activated T cells and is a major component of the platelet cell surface. It is also expressed on most non-T acute lymphoblastic leukemia cells and on some acute myeloid and chronic lymphoid leukemia.

#### 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

Flow Cytometry (0.5-1ug/million cells); Immunohistochemistry (Formalin-fixed) (1-2ug/ml for 30 min 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°C followed by cooling at RT for 20 minutes);

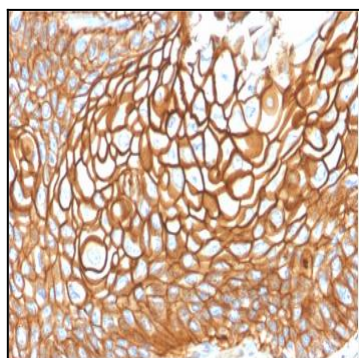


Fig. 1: Formalin-fixed, paraffin-embedded human Basal Cell Carcinoma stained with CD9 Mouse Monoclonal Antibody (CD9/1619).

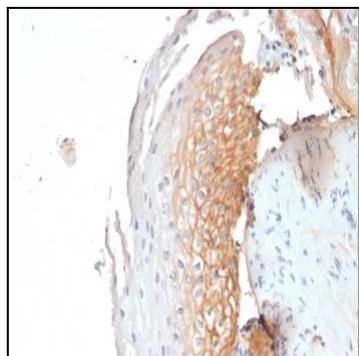


Fig. 2: Formalin-fixed, paraffin-embedded human Tonsil stained with CD9 Mouse Monoclonal Antibody (CD9/1619).

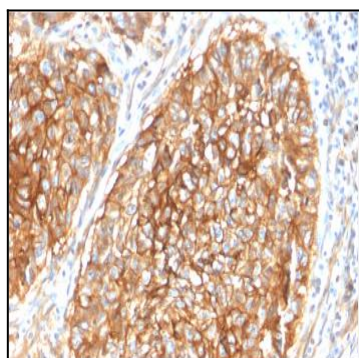


Fig. 3: Formalin-fixed, paraffin-embedded human Lung Carcinoma stained with CD9 Mouse Monoclonal Antibody (CD9/1619).

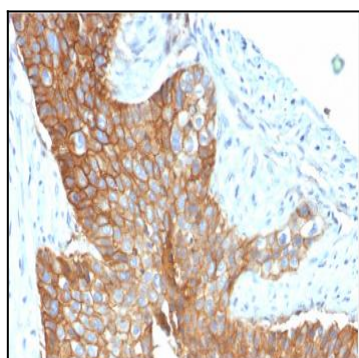


Fig. 4: Formalin-fixed, paraffin-embedded human Cervical Carcinoma stained with CD9 Mouse Monoclonal Antibody (CD9/1619).

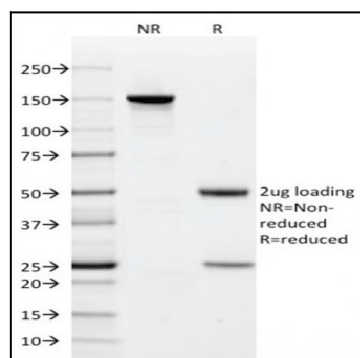


Fig. 5: SDS-PAGE Analysis Purified CD9 Mouse Monoclonal Antibody (CD9/1619). Confirmation of Integrity and Purity of Antibody.