

## E Cadherin clone MX020

### Instructions for Use

#### Specification:

ECAD (syn, CD325), 120 kDA, chromosome 16q22.1 (CDH1 gene), is a critical regulator of epithelial junction formation. It interacts with the cytoskeleton through several associated proteins. The ECAD internal domain binds with alpha, beta, gamma and p120 catenin's to anchor the ECAD complex to the actin cytoskeleton of the cell. ECAD is expressed in virtually all epithelial cells except for adrenocortical cells. The expression in liver cells is weaker than in most other epithelia. ECAD is also expressed in melanocytes (adhering to squamous epithelial cells).

#### Availability:

| Catalog No. | Contents   | Volume             |
|-------------|------------|--------------------|
| ILM7002-C01 | E Cadherin | 0,1 ml concentrate |
| ILM7002-C05 | E Cadherin | 0,5 ml concentrate |
| ILM7002-C1  | E Cadherin | 1,0 ml concentrate |

**Intended use:** For Research Use Only

**Reactivity:** Human

**Clone:** MX020

**Species of origin:** Mouse

**Isotype:** IgG

**Control Tissue:** Pancreas, lung adenocarcinoma, breast

**Staining:** Membranous

**Presentation:** Tissue culture supernatant containing 15mM sodium azide

#### Application and suggested dilutions:

Pretreatment: Heat induced epitope retrieval in 10 mM citrate buffer , pH6.0 for 20 minutes is required for IHC staining on formalin-fixed, paraffin embedded tissue sections.

- Immunohistochemical staining of formalin-fixed, paraffin embedded tissue section (dilution up to 1:100-1:200)

The optimal dilution for a specific application should be determined by the investigator.

**Note:** Dilution of the antibody in 10% normal goat serum followed by a goat anti-mouse secondary antibody-based detection is recommended.

**Storage & Stability:** Store at 2-8 °C. Do not use after expiration date printed on the vial.

#### References:

- 1) Ceyran A B, Şenol S, Şimşek B Ç, et al. Internal journal of clinical and experimental pathology, 2015, 8(4):3670.
- 2) Liu D, Huang C, Kameyama K, et al. The Annals of thoracic surgery, 2001, 71(3): 949-954

