

# Immunotag™ pan Cadherin Antibody

| Antibody Specification |                                                                                                                                                                                                                                                                                       |
|------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Catalog No.            | ITA7547                                                                                                                                                                                                                                                                               |
| Product Description    | Immunotag™ pan Cadherin Antibody                                                                                                                                                                                                                                                      |
| Size                   | 100 µg, 200 µg                                                                                                                                                                                                                                                                        |
| Conjugation            | HRP, Biotin, FITC, Alexa Fluor® 350, Alexa Fluor® 405, Alexa Fluor® 488, Alexa Fluor® 555, Alexa Fluor® 594, Alexa Fluor® 647                                                                                                                                                         |
| IMPORTANT NOTE         | This product is custom manufactured with a lead time of 3-4 weeks. Once in production, this item cannot be cancelled from an order and is not eligible for return.                                                                                                                    |
| Target Protein         | pan Cadherin                                                                                                                                                                                                                                                                          |
| Clonality              | Polyclonal                                                                                                                                                                                                                                                                            |
| Storage/Stability      | -20°C/1 year                                                                                                                                                                                                                                                                          |
| Application            | WB,IHC,ELISA                                                                                                                                                                                                                                                                          |
| Recommended Dilution   | WB 1:1000-3000 IHC 1:200                                                                                                                                                                                                                                                              |
| Concentration          | 1 mg/ml                                                                                                                                                                                                                                                                               |
| Reactive Species       | Human,Mouse,Rat                                                                                                                                                                                                                                                                       |
| Host Species           | Rabbit                                                                                                                                                                                                                                                                                |
| Immunogen              | A synthesized peptide derived from human pan Cadherin                                                                                                                                                                                                                                 |
| Specificity            | pan Cadherin Antibody detects endogenous levels of total pan Cadherin                                                                                                                                                                                                                 |
| Purification           | The antiserum was purified by peptide affinity chromatography.                                                                                                                                                                                                                        |
| Form                   | Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.Store at -20 °C.Stable for 12 months from date of receipt                                                                                                                           |
| Gene Name              | CDH1                                                                                                                                                                                                                                                                                  |
| Accession No.          | P12830                                                                                                                                                                                                                                                                                |
| Alternate Names        | Arc 1; CADH1_HUMAN; Cadherin 1; cadherin 1 type 1 E-cadherin; Cadherin1; CAM 120/80; CD 324; CD324; CD324 antigen; cdh1; CDHE; E-Cad/CTF3; E-cadherin; ECAD; Epithelial cadherin; epithelial calcium dependant adhesion protein; LCAM; Liver cell adhesion molecule; UVO; Uvomorulin; |

## Antibody Specification

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| Description               | Cadherins are calcium-dependent cell adhesion proteins (PubMed:11976333). They preferentially interact with themselves in a homophilic manner in connecting cells; cadherins may thus contribute to the sorting of heterogeneous cell types. CDH1 is involved in mechanisms regulating cell-cell adhesions, mobility and proliferation of epithelial cells (PubMed:11976333). Has a potent invasive suppressor role. It is a ligand for integrin alpha-E/beta-7. |
| Cell Pathway/<br>Category | Primary Polyclonal Antibody                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Protein MW                | 140 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Usage                     | For Research Use Only! Not for diagnostic or therapeutic procedures.                                                                                                                                                                                                                                                                                                                                                                                             |