Instructions For Use

**Specification:**
Cathepsin D is synthesized as a 54kDa precursor which is proteolytically processed to an intermediate 48kDa single chain which matures into more stable 34kDa and 14kDa two chain form. It is an estrogen-regulated lysosomal protease that has been suggested to facilitate cancer cell migration and invasion by digesting the basement membrane, extracellular matrix, and connective tissue. Cathepsin D is expressed in epithelial cells as well as in macrophages.

**Availability:**

<table>
<thead>
<tr>
<th>Catalog No.</th>
<th>Contents</th>
<th>Volume</th>
</tr>
</thead>
<tbody>
<tr>
<td>ILP 2802 C1</td>
<td>Cathepsin D</td>
<td>1.0 ml</td>
</tr>
<tr>
<td>ILP 2802 C05</td>
<td>Cathepsin D</td>
<td>0.5 ml</td>
</tr>
<tr>
<td>ILP 2802 C01</td>
<td>Cathepsin D</td>
<td>0.1 ml</td>
</tr>
</tbody>
</table>

**Intended use:** For In Vitro Diagnostic Use (IVD)

**Reactivity:** Human

**Clone:**

**Species of origin:** Rabbit

**Isotype:** IgG

**Control Tissue:** Breast carcinoma

**Staining:** Cytoplasm

**Immunogen:** Recombinant human cathepsin D protein

**Presentation:** Immunogen affinity purified rabbit polyclonal antibody in PBS/1% BSA buffer pH 7.6 with less than 0.1% sodium azide

**Application and suggested dilutions:**

Pretreatment: Heat induced epitope retrieval in 10 mM citrate buffer, pH 6.0 for 20 minutes is required for IHC staining on formalin-fixed, paraffin embedded tissue sections.

- Immunohistochemical staining of formaline-fixed, paraffin embedded tissue section (dilution 1:50)

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-rabbit secondary antibody based detection is recommended

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

**Reference:**