Anti-Human CTSS Antibody [K29028_2G7]

Catalog No. K29028U02G07C

Overview

<table>
<thead>
<tr>
<th>Product name</th>
<th>Anti-Human CTSS Antibody [K29028_2G7]</th>
</tr>
</thead>
<tbody>
<tr>
<td>Antibody specificity</td>
<td>Cathepsin S</td>
</tr>
<tr>
<td>Species reactivity</td>
<td>Human</td>
</tr>
<tr>
<td>Clonality</td>
<td>Monoclonal</td>
</tr>
<tr>
<td>Clone number</td>
<td>K29028_2G7</td>
</tr>
<tr>
<td>Host / isotype</td>
<td>Mouse / IgG2a</td>
</tr>
<tr>
<td>Immunogen</td>
<td>Recombinant human CTSS</td>
</tr>
<tr>
<td>Cross reactivity</td>
<td>Not tested</td>
</tr>
<tr>
<td>Kinetic characterization by BLI (biolayer interferometry)</td>
<td>Not tested</td>
</tr>
<tr>
<td>Purification</td>
<td>Protein A purified from cell culture supernatants</td>
</tr>
<tr>
<td>Form</td>
<td>Liquid</td>
</tr>
<tr>
<td>Concentration</td>
<td>1 mg/mL in phosphate buffered saline containing 0.09% preservative</td>
</tr>
<tr>
<td>Conjugation</td>
<td>Unconjugated</td>
</tr>
</tbody>
</table>

Shipping, storage and shelf life

* 3 months when stored at 2 to 8 °C
* 1 year when aliquoted and stored at -20 °C
* 3 years when aliquoted and stored at -80 °C

Applications

<table>
<thead>
<tr>
<th></th>
<th>Recommended concentration</th>
<th>Note</th>
</tr>
</thead>
<tbody>
<tr>
<td>Western blot (WB)</td>
<td>1 µg/mL</td>
<td></td>
</tr>
<tr>
<td>Indirect ELISA</td>
<td>1 µg/mL</td>
<td></td>
</tr>
</tbody>
</table>

Note:
* The applications above have already been verified. The antibody may be suitable for additional applications.
* Optimal antibody concentrations for each application should be determined by the user.

Additional information

Target antigen

Protein name: Cathepsin S
Gene name: CTSS
UniProt Accession: P25774
Organism: Homo sapiens (Human)
Western blotting

15 µg of HL-60 lysate was run on 6-18% SDS-PAGE under reducing conditions and blotted onto nitrocellulose membrane. K29028_2G7 at 1 µg/mL was used as the primary antibody and peroxidase conjugated goat anti-mouse IgG was used as the secondary antibody. CTSS band was visualized using ECL Western Blotting Substrate.

Result: K29028_2G7 can detect human CTSS by Western blotting.