# Product datasheet

## Anti-Alkaline Phosphatase, Tissue Non-Specific antibody [EPR4477] ab108337

<table>
<thead>
<tr>
<th>Overview</th>
<th></th>
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</thead>
<tbody>
<tr>
<td><strong>Product name</strong></td>
<td>Anti-Alkaline Phosphatase, Tissue Non-Specific antibody [EPR4477]</td>
</tr>
<tr>
<td><strong>Description</strong></td>
<td>Rabbit monoclonal [EPR4477] to Alkaline Phosphatase, Tissue Non-Specific</td>
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<tr>
<td><strong>Host species</strong></td>
<td>Rabbit</td>
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</tbody>
</table>
| **Tested applications** | **Suitable for:** Flow Cyt, IP, IHC-P  
**Unsuitable for:** ICC/IF |
| **Species reactivity** | Reacts with: Mouse, Rat, Human |
| **Immunogen** | Synthetic peptide within Human Alkaline Phosphatase, Tissue Non-Specific aa 1-100. The exact sequence is proprietary.  
Database link: P05186 |
| **General notes** | This product is a recombinant monoclonal antibody, which offers several advantages including:  
- High batch-to-batch consistency and reproducibility  
- Improved sensitivity and specificity  
- Long-term security of supply  
- Animal-free production  
For more information see here.  
Our RabMAb® technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to RabMAb® patents. |

## Properties

<table>
<thead>
<tr>
<th>Form</th>
<th>Liquid</th>
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</thead>
<tbody>
<tr>
<td><strong>Storage instructions</strong></td>
<td>Shipped at 4°C. Store at -20°C. Stable for 12 months at -20°C.</td>
</tr>
</tbody>
</table>
| **Storage buffer** | pH: 7.20  
Preservative: 0.01% Sodium azide  
 Constituents: 9% PBS, 40% Glycerol, 0.05% BSA, 50% Tissue culture supernatant |
| **Purity** | Tissue culture supernatant |
| **Clonality** | Monoclonal |
Clone number: EPR4477
Isotype: IgG

Applications

Our Abpromise guarantee covers the use of ab108337 in the following tested applications. The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

<table>
<thead>
<tr>
<th>Application</th>
<th>Abviews</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>Flow Cyt</td>
<td>1/1000.</td>
<td><strong>ab108337</strong> - Rabbit monoclonal IgG, is suitable for use as an isotype control with this antibody.</td>
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<tr>
<td>IP</td>
<td>1/10 - 1/100.</td>
<td></td>
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<tr>
<td>IHC-P</td>
<td>1/250 - 1/500. Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.</td>
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</tbody>
</table>

Application notes: Is unsuitable for ICC/IF.

Target

Function: This isozyme may play a role in skeletal mineralization.

Involvement in disease:
- Hypophosphatasia
- Hypophosphatasia childhood type
- Hypophosphatasia infantile type

Sequence similarities:
Belongs to the alkaline phosphatase family.

Post-translational modifications:
N-glycosylated.

Cellular localization:
Cell membrane.

Images

ab108337, at a 1/250 dilution, staining Alkaline Phosphatase, Tissue Non-Specific in paraffin embedded Human liver tissue by Immunohistochemistry.

Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.
Overlay histogram showing Saos 2 cells stained with ab108337 (red line). The cells were fixed with 4% paraformaldehyde (10 min) and then permeabilized with 0.1% PBS-Tween for 20 min. The cells were then incubated in 1x PBS / 10% normal goat serum / 0.3M glycine to block non-specific protein-protein interactions followed by the antibody (ab108337, 1/1000 dilution) for 30 min at 22°C. The secondary antibody used was DyLight® 488 goat anti-rabbit IgG (H+L) (ab96899) at 1/500 dilution for 30 min at 22°C. Isotype control antibody (black line) was rabbit IgG (monoclonal) (0.1μg/1x10^6 cells) used under the same conditions. Unlabelled sample (blue line) was also used as a control. Acquisition of >5,000 events were collected using a 20mW Argon ion laser (488nm) and 525/30 bandpass filter. This antibody gave a positive signal in Saos 2 cells fixed with 80% methanol (5 min)/permeabilized with 0.1% PBS-Tween for 20 min used under the same conditions.

ab108337, at a 1/250 dilution, staining Alkaline Phosphatase, Tissue Non-Specific in paraffin embedded Human kidney tissue by Immunohistochemistry.

Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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