**Product datasheet**

**Anti-Neutrophil antibody [7/4] ab53457**

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### Overview

**Product name**
Anti-Neutrophil antibody [7/4]

**Description**
Rat monoclonal [7/4] to Neutrophil

**Host species**
Rat

**Specificity**
Rat anti mouse Ly-6B.2, clone 7/4 recognizes the Ly-6B.2 antigen in 129J; AKR; C57BL/6; C57BL/10; C58; DBA/2; NZB; NZW; SJL; MFt Swiss (PO) strains. A2G; A/Sn; ASW; BALB/c; C3H/HEH: CBA.T6T6 are negative or demonstrate very weak reactivity.

**Tested applications**
Suitable for: IHC-P, ICC/IF, WB, IHC-Fr, Flow Cyt

**Species reactivity**
Reacts with: Mouse

**Immunogen**
Tissue, cells or virus corresponding to Neutrophil.

**Epitope**
Recognizes the Ly-6B.2 antigen.

**Positive control**
Flow cytometry: Mouse peripheral blood granulocytes.

**General notes**
Ly-6B.2 is a ~25-30 kDa GPI-anchored, heavily glycosylated protein expressed on neutrophils, inflammatory monocytes and some activated macrophages. High levels of expression are seen in bone marrow, spleen, lung and lymph nodes. N-glycanase treatment of thioglycollate elicited peritoneal neutrophil lysates lowers the apparent molecular weight of Ly-6B.2 to ~15 kDa. ab53457 has been successfully used for the immunomagnetic depletion of neutrophils during the enrichment of primitive hematopoietic cells from bone marrow and the depletion of myeloid cells in vivo.

### Properties

**Form**
Liquid

**Storage instructions**
Shipped at 4°C. Store at +4°C short term (1-2 weeks). Store at -20°C or -80°C. Avoid freeze / thaw cycle.

**Storage buffer**
Preservative: 0.09% Sodium azide
Constituent: PBS

**Purity**
Protein G purified

**Purification notes**
Purified IgG prepared by affinity chromatography on Protein G from tissue culture supernatant.

**Clonality**
Monoclonal
Clone number 7/4
Myeloma Y3/Ag1.2.3
Isotype IgG2a

Applications

Our Abpromise guarantee covers the use of ab53457 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>Abreviews</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>IHC-P</td>
<td>⭐⭐⭐⭐⭐</td>
<td>Use at an assay dependent concentration. PubMed: 25505239</td>
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<tr>
<td>ICC/IF</td>
<td></td>
<td>Use at an assay dependent concentration.</td>
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<tr>
<td>WB</td>
<td></td>
<td>Use at an assay dependent concentration.</td>
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<tr>
<td>IHC-Fr</td>
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<td>Use at an assay dependent concentration.</td>
</tr>
<tr>
<td>Flow Cyt</td>
<td>1/50 - 1/100. Use 10µl of the suggested working dilution to label 106 cells in 100µl.</td>
<td></td>
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</table>

ab18450 - Rat monoclonal IgG2a, is suitable for use as an isotype control with this antibody.

Target

Cellular localization Cell membrane; Lipid-anchor, GPI-anchor

Images
Staining of mouse peripheral blood granulocytes with Rat anti mouse neutrophil (ab53457).

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