**Product datasheet**

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

★★★★★ 1 Abreviews  34 References  1 Image

**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, WB, IHC-Fr, ICC/IF, Flow Cyt

**Species reactivity**  
Reacts with: Mouse

**Immunogen**  
Tissue, cells or virus corresponding to Neutrophil. Cultured bone marrow cells

**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.

The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.

If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&As

**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

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

Target

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

Images
Flow Cytometry - Anti-Neutrophil antibody [7/4]
(ab53457)

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

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