Product Information

Material Number: 555447
Alternate Name: CD32a, FcγRIIa, FCGR2A; CD32b, FcγRIIb, FCGR2B; CD32c, FcγRIIc, FCGR2C

Size: 0.1 mg
Concentration: 0.5 mg/ml
Clone: FLI8.26 (also known as 8.26)
Immunogen: K562 or FcγRII+ L cell lines
Isotype: Mouse (BALB/c) IgG2b, κ
Reactivity: QC Testing: Human
Workshop: V MA128
Storage Buffer: Aqueous buffered solution containing ≤0.09% sodium azide.

Description

The FLI8.26 monoclonal antibody specifically recognizes CD32 which is also known as Fcγ receptor type II (FcγRII). CD32 is a type I transmembrane glycoprotein that serves as a low affinity receptor for aggregated IgG. The FLI8.26 antibody recognizes a, b, and c forms of CD32 that are encoded by separate genes: CD32a/FcγRIIa (FCGR2A), CD32b/FcγRIIb (FCGR2B), and CD32c/FcγRIIc (FCGR2C). These forms are differentially expressed on monocytes, granulocytes, T cells, B cells, NK cells, or platelets. These receptors play various roles in mediating and regulating inflammation and immunity including phagocytosis, cytotoxicity, degranulation, or platelet activation.

Profile of peripheral blood lymphocytes analyzed on a BD FACScan (BDIS, San Jose, CA)
Profile of peripheral blood monocytes analyzed on a BD FACScan (BDIS, San Jose, CA)
Profile of peripheral blood granulocytes analyzed on a BD FACScan (BDIS, San Jose, CA)

Preparation and Storage

Store undiluted at 4°C.

The monoclonal antibody was purified from tissue culture supernatant or ascites by affinity chromatography.

Application Notes

Application

Flow cytometry Routinely Tested

Suggested Companion Products

<table>
<thead>
<tr>
<th>Catalog Number</th>
<th>Name</th>
<th>Size</th>
<th>Clone</th>
</tr>
</thead>
<tbody>
<tr>
<td>555740</td>
<td>Purified Mouse IgG2b κ Isotype Control</td>
<td>0.1 mg</td>
<td>27-35</td>
</tr>
<tr>
<td>555988</td>
<td>FITC Goat Anti-Mouse IgG/IgM</td>
<td>0.5 mg</td>
<td>Polyclonal</td>
</tr>
<tr>
<td>554656</td>
<td>Stain Buffer (FBS)</td>
<td>500 mL</td>
<td>(none)</td>
</tr>
<tr>
<td>554657</td>
<td>Stain Buffer (BSA)</td>
<td>500 mL</td>
<td>(none)</td>
</tr>
<tr>
<td>555899</td>
<td>Lysing Buffer</td>
<td>100 mL</td>
<td>(none)</td>
</tr>
</tbody>
</table>
Product Notices

1. Since applications vary, each investigator should titrate the reagent to obtain optimal results.
3. Caution: Sodium azide yields highly toxic hydrazoic acid under acidic conditions. Dilute azide compounds in running water before discarding to avoid accumulation of potentially explosive deposits in plumbing.
4. Sodium azide is a reversible inhibitor of oxidative metabolism; therefore, antibody preparations containing this preservative agent must not be used in cell cultures nor injected into animals. Sodium azide may be removed by washing stained cells or plate-bound antibody or dialyzing soluble antibody in sodium azide-free buffer. Since endotoxin may also affect the results of functional studies, we recommend the NA/LE (No Azide/Low Endotoxin) antibody format, if available, for in vitro and in vivo use.

References


