Technical Data Sheet

Purified NA/LE Mouse Anti-Human CD43

Product Information

Material Number: 551457
Size: 0.1 mg
Concentration: 0.5 mg/ml
Clone: L60
Isotype: Mouse IgG1, κ
Reactivity: QC Testing: Human
Workshop: IV N601; V AS297
Storage Buffer: No azide/low endotoxin: Aqueous buffered solution containing no preservative, 0.2µm sterile filtered. Endotoxin level is ≤0.01 EU/µg (≤0.001 ng/µg) of protein as determined by the LAL assay.

Description

The L60 monoclonal antibody specifically binds to CD43 which is also known as Leukosialin (LSN) or Galectoglycoprotein (GALGP). CD43 is a ~95-135 kDa heavily O-sialylated type I transmembrane glycoprotein that is encoded by SPN (sialophorin) and belongs to the cell surface mucin family. The L60 antibody recognizes a sialic acid-dependent determinant on CD43. CD43 is highly expressed on T lymphocytes, thymocytes, monocytes, granulocytes, bone marrow stem cells, pre-B cells and activated B cells plasma cells but not on resting peripheral blood B cells, red blood cells, and non-hematopoietic cells. CD43 is enzymatically shed from leucocyte surfaces following activation by various stimuli. CD43 appears to be involved in mediating intercellular interactions that regulate leucocyte functions.

Profile of Mouse Anti-Human CD43 (L60) reactivity on peripheral blood lymphocytes analyzed by flow cytometry. Second step staining was performed with FITC Goat Anti-Mouse IgG/IgM (Cat. No. 555988).

Preparation and Storage

Store undiluted at 4°C.

This preparation contains no preservatives, thus it should be handled under aseptic conditions.

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

Application Notes

Application

Flow cytometry Routinely Tested
Functional assay Reported
Immunoprecipitation Reported
Western blot Reported
Immunohistochemistry Reported

Suggested Companion Products

<table>
<thead>
<tr>
<th>Catalog Number</th>
<th>Name</th>
<th>Size</th>
<th>Clone</th>
</tr>
</thead>
<tbody>
<tr>
<td>555746</td>
<td>Purified Mouse IgG1, κ Isotype Control</td>
<td>0.1 mg</td>
<td>MOPC-21</td>
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<tr>
<td>555988</td>
<td>FITC Goat Anti-Mouse IgG/IgM</td>
<td>0.5 mg</td>
<td>Polyclonal</td>
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Product Notices
1. Since applications vary, each investigator should titrate the reagent to obtain optimal results.
2. Please refer to wwwbdbiosciencescompharmingenprotocols for technical protocols.
3. An isotype control should be used at the same concentration as the antibody of interest.

References
Bazil V, Strominger JL. CD43, the major sialoglycoprotein of human leukocytes, is proteolytically cleaved from the surface of stimulated lymphocytes and granulocytes. Proc Natl Acad Sci U S A. 1993 May; 90(9):3792-3796. (Biology)