



Biotinylated Anti-mouse Flt-3 (CD135) Antibody

ORDERING INFORMATION

Catalog Number: BAM7681

Clone: 113308

Lot Number: JDQ01

Size: 100 µg

Formulation: 0.2 µm filtered solution in PBS with BSA

Storage: -20° C

Reconstitution: sterile PBS

Specificity: mouse Flt-3

Immunogen: NS0-derived rmFlt-3 extracellular domain

Ig class: rat IgG_{2a}

Recommended Application:
Flow Cytometry

Preparation

This antibody was produced from a hybridoma resulting from the fusion of a mouse myeloma with B cells obtained from a rat immunized with purified, NS0-derived recombinant mouse FMS-like Tyrosine Kinase 3 (rmFlt-3) extracellular domain. The IgG fraction of the tissue culture supernatant was purified by Protein G affinity chromatography and then biotinylated. Flt-3 is a member of the class III subfamily of receptor tyrosine kinases that also includes SCF R and M-CSF R. Among hematopoietic cells, Flt-3 expression is restricted to a population highly enriched for stem/progenitor cells.

Formulation

Lyophilized from a 0.2 µm filtered solution in phosphate-buffered saline (PBS) containing 50 µg of bovine serum albumin (BSA) per 1 µg of antibody.

Endotoxin Level

< 0.1 EU per 1 µg of the antibody as determined by the LAL method.

Reconstitution

Reconstitute with sterile PBS. If 1 mL of PBS is used, the antibody concentration will be 100 µg/mL.

Storage

Lyophilized samples are stable for twelve months from date of receipt when stored at -20° C to -70° C. Upon reconstitution, the antibody can be stored at 2° - 8° C for 1 month without detectable loss of activity. Reconstituted antibody can also be aliquotted and stored frozen at -20° C to -70° C in a **manual defrost freezer** for six months without detectable loss of activity. **Avoid repeated freeze-thaw cycles.**

Specificity

This antibody was selected for its ability to recognize rmFlt-3 in flow cytometry.

Applications

Flow Cytometry - Dilute this antibody to 25 µg/mL and add 10 µL of the diluted solution to 1 - 2.5 x 10⁵ cells in a total reaction volume not exceeding 200 µL. The binding of biotinylated antibodies may be visualized by adding 10 µL of a 25 µg/mL stock solution such as Avidin-Carboxylfluorescein (R&D Systems, Catalog # F0030) or Streptavidin-Phycoerythrin (R&D Systems, Catalog # F0040).

Optimal dilutions should be determined by each laboratory for each application.

