mAb efrnB1

INVESTIGATOR
Name  Zaven Kaprielian
Address  Albert Einstein College of Medicine, 616 Kennedy Center, 1410 Pelham Pkwy S., Bronx, NY 10461

IMMUNOGEN
Substance
Name  recombinant mouse ephrin-B1/Fc Chimera (R&D Systems, Minneapolis, MN, #473-EB) – see att.
Origin  extracellular domain of mouse ephrin-B1 (amino acid residues 1-229) was fused to the carboxy-terminal 6X histidine-tagged Fc region of human IgG, via a polypeptide linker.

Chemical Composition  disulfide linked homodimeric protein
Developmental Stage

IMMUNIZATION PROTOCOL
Donor Animal
Species  hamster
Strain  Armenian
Sex  female
Organ and tissue  splenocytes
Immunization
Dates immunized  3/22/02, 4/19/02, 5/31/02, 7/17/02, 8/2/02
Amount of antigen  100 µg/injection
Route of immunization  IP
Adjuvant  MPL + TDM adjuvant (Sigma, St. Louis, MO #M6536)

FUSION
Date  8/5/02
Myeloma cell line
Species  mouse
Designation  NS-1

MONOCLONAL ANTIBODY
Isotype  likely IgG since it is detected by an anti-Armenian hamster IgG and no anti-Armenian hamster IgM is available
Specificity
Cell binding
Immunohistology  +
Antibody competition
Species Specificity  mouse

ANTIGEN
Chemical properties
Molecular weight  207 kDa ephrin-B1/Fc protein in SDS-PAGE under non-reducing conditions. [Note: the mAb efrnB1 epitope is destroyed by reducing agents and/or boiling]
Characterization
Immunoprecipitation
Immunoblotting  +
Purification
Amino acid sequence analysis
Functional effects
Immunohistochemistry  +

PUBLICATIONS:
We have been asked by NICHD to ensure that all investigators include an acknowledgment in publications that benefit from the use of the DSHB's products. We suggest that the following statement be used:

“The (select: hybridoma, monoclonal antibody, or protein capture reagent,) developed by [Investigator(s) or Institution] was obtained from the Developmental Studies Hybridoma Bank, created by the NICHD of the NIH and maintained at The University of Iowa, Department of Biology, Iowa City, IA 52242.”

Please send copies of all publications resulting from the use of Bank products to:

Developmental Studies Hybridoma Bank
Department of Biology
The University of Iowa
028 Biology Building East
Iowa City, IA 52242