



6352 CORTE DEL ABETO, STE B
CARLSBAD, CA 92011 USA
01.858.642.1988 • WWW.ATSBIO.COM

FITC-labeled Antibody to Dopamine Transporter (DAT-ECD)
RAT MONOCLONAL

Catalog Number: FL-14
Quantity: 25 micrograms, 50 micrograms, 100 micrograms
Format: 50% PBS (0.14 M Sodium Chloride; 0.003 M Potassium Chloride; 0.002 M Potassium Phosphate; 0.01 M Sodium Phosphate; pH 7.4), 50% glycerol; no preservative.
Host: Rat
Clone: hDAT-LOOP
Immunogen: GST-DAT-loop fusion protein (the second extracellular loop, consisting of amino acids 180-218)

Background:

FITC-labeled Anti-DAT-ECD can be used to verify binding specificity of a targeted toxin to a cell line expressing the target molecule. By first binding the targeted toxin to fixed cells, then binding FITC-labeled Anti-DAT-ECD to the targeted toxin, specificity can be confirmed through the use of competing molecules or a control cell line. FITC is excited by 488 nm wavelength light, and emits at 525 nm.

Specificity and Preparation:

This antibody recognizes the second extracellular loop of the dopamine transporter (DAT-ECD) in rat and human. It was produced in rat by immunization with a GST-DAT-loop fusion protein, then construction of a hybridoma with the murine nonsecreting myeloma cell line Sp2/0. The second extracellular loop, consisting of amino acids 180-218, was used to construct the fusion protein. The antibody was conjugated to FITC (5-iodoacetamidofluorescein) using SPDP.

Usage and Storage:

Applications include flow cytometry.

Gently spin down material before use; 5-10 seconds in a microfuge should be adequate. The material can be handled safely using normal laboratory precautions. See Lot Number for lot-specific storage instructions.

To view protocol(s) for this and other products please visit: www.ATSBio.com/support/protocols