

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

**Catalog Number:** AB-N17-FL  
**Quantity:** 50 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 & 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:** Applications include flow cytometry.

**Storage:** Gently spin down material 5-10 seconds in a microfuge before use. The material can be handled safely using normal laboratory precautions. Store the antibody at -20°C for up to one year.



Scan to view  
all product  
references.

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