DATA SHEET

Reagent: Nef-ER Expressing Sup-T1 Cells (Clone 31)

Catalog Number: 6453

Lot Number: 098327

Release Category: D

Provided: 5 x 10^6 cells/mL. Viability is 96%.

Cell Type: Sup-T1 cells

Propagation Medium: RPMI 1640 supplemented with 10% fetal bovine serum, pen/strep/glutamine (GIBCO), 20 µM 2-mercaptoethanol, and 1.5 µg/mL puromycin.

Freeze Medium: Fetal bovine serum, 90%; DMSO, 10%.

Growth Characteristics: Split cells at 10^6 cells/ml. The cells are a suspension cell line that grows in clumps.

Morphology: Cells appear round in culture.

Sterility: Negative for mycoplasma, bacteria and fungi.

Description: Sup-T1 cells that express a chimeric Nef-estrogen receptor hormone-binding domain (Nef-ER) protein.

Special Characteristics: Sup-T1 cells were transfected with Nef-ER-IRES-puro plasmid and stable clones were selected in puromycin at 1.5 µg/mL. Nef-ER is constitutively expressed, but is kept in an inactive state until membrane-permeable drug 4-hydroxytamoxifen (4-HT) is added.

Cell line suited for the study of Nef function.

ALL RECIPIENTS OF THIS MATERIAL MUST COMPLY WITH ALL APPLICABLE BIOLOGICAL, CHEMICAL, AND/OR RADIOCHEMICAL SAFETY STANDARDS INCLUDING SPECIAL PRACTICES, EQUIPMENT, FACILITIES, AND REGULATIONS. NOT FOR USE IN HUMANS.
**Recommended Storage:**
Liquid nitrogen.

**Contributor:**
Drs. Scott Walk, Kodi Ravichandran and David Rekosh.

**References:**

**NOTE:**
Acknowledgment for publications should read "The following reagent was obtained through the NIH AIDS Reagent Program, Division of AIDS, NIAID, NIH: Nef-ER Expressing Sup-T1 Cells (Clone 31) from Drs. Scott Walk, Kodi Ravichandran and David Rekosh." Also include the reference cited above in any publications.

**Last Updated**
July 03, 2018