BACKGROUND
Herpesvirus entry mediator (HVEM), a type I transmembrane protein, is a member of the TNF receptor superfamily. HVEM mediates the entry of herpes simplex virus (HSV)-1 and -2 into T lymphocytes by serving as an attachment site for the HSV envelope glycoprotein D (gD). HVEM also binds two cellular ligands, secreted lymphotoxin-α and LIGHT. LIGHT is a member of the TNF superfamily produced by activated T cells. This type II transmembrane protein competes with HSV glycoprotein D for binding to HVEM. LIGHT is closely related in sequence to lymphotoxin-β (LT-β) and can also bind to the LT-β receptor. LIGHT is also known to induce apoptosis and suppress tumor formation.

REFERENCES

CHROMOSOMAL LOCATION
Genetic locus: TNFRSF14 (human) mapping to 1p36.32.

STORAGE
Store at -20° C. Repeated freezing and thawing should be minimized. Sample vial should be boiled once prior to use. Non-hazardous. No MSDS required.

PROTOCOLS
See our web site at www.scbt.com or our catalog for detailed protocols and support products.

PRODUCT
HVEM (h3): 293T Lysate represents a lysate of human HVEM transfected 293T cells and is provided as 100 µg protein in 200 µl SDS-PAGE buffer.

APPLICATIONS
HVEM (h3): 293T Lysate is suitable as a Western Blotting positive control for human reactive HVEM antibodies. Recommended use: 10-20 µl per lane. Control 293T Lysate: sc-117752 is available as a Western Blotting negative control lysate derived from non-transfected 293T cells.

HVEM (C-20): sc-7765 is recommended as a positive control antibody for Western Blot analysis of enhanced human HVEM expression in HVEM transfected 293T cells (starting dilution 1:100, dilution range 1:100-1:1,000).

RECOMMENDED SECONDARY REAGENTS
To ensure optimal results, the following support (secondary) reagents are recommended: 1) Western Blotting: use donkey anti-goat IgG-HRP: sc-2020 (dilution range: 1:2000-1:100,000) or Cruz Marker™ compatible donkey anti-goat IgG-HRP: sc-2033 (dilution range: 1:2000-1:5000), Cruz Marker™ Molecular Weight Standards: sc-2035, TBS Blotto A Blocking Reagent: sc-2333 and Western Blotting Luminol Reagent: sc-2048.

DATA

RESEARCH USE
For research use only, not for use in diagnostic procedures.