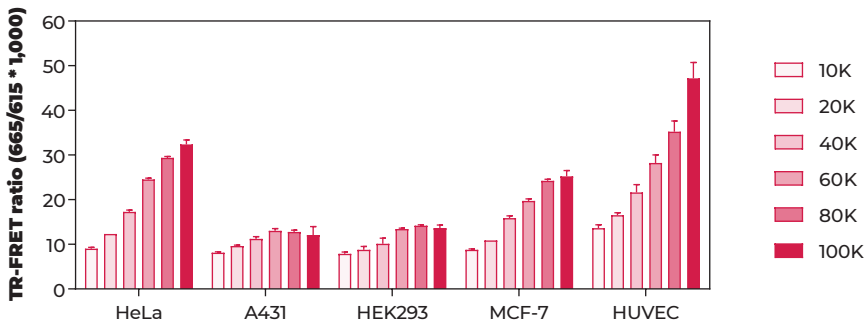


VALIDATION DATA

This assay kit has been validated for the relative quantification of total GAPDH in several cell lines lysates using the 2 plate assay protocol.

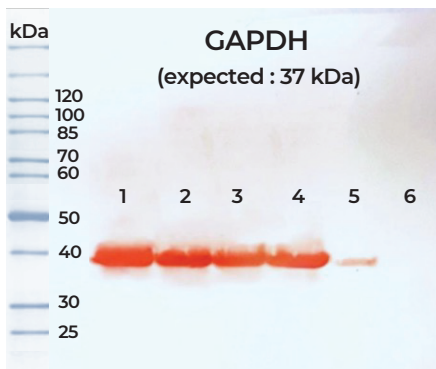
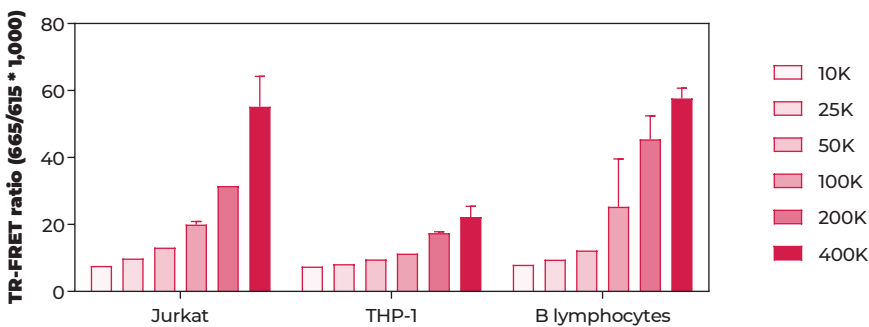
- Adherent cells were cultured overnight in a 96-well tissue culture plate. Suspension cells were centrifuged and resuspended at the desired density.
- Cells were lysed in 1X **Lysis Buffer 3** supplemented with the phosphatase inhibitors sodium fluoride (1 mM) and sodium orthovanadate (2 mM).
- Following a **30-min** incubation at room temperature (RT) on an orbital shaker (400 rpm), lysates (15 μ L) were then transferred to a 384-well assay plate followed by addition of the labeled antibodies Eu-Ab1 and FR-Ab2 (5 μ L) for detection of total-GAPDH.
- The plate was incubated at RT for **4 hours** and the TR-FRET signal was recorded at 665 and 615 nm (EnVision[®]; lamp excitation).

ADHERENT CELLS



Note that similar data can be obtained with Lysis Buffer 4.

SUSPENSION CELLS



DETECTION OF GAPDH BY WESTERN BLOT

Western blot shows lysates of:

- MCF7;
- HeLa;
- Jurkat;
- HEK293;
- Recombinant GAPDH (100 ng);
- Negative control: GLP-1(7-36) amide (100 ng).

A specific band was detected for GAPDH at approximately 37 kDa.

