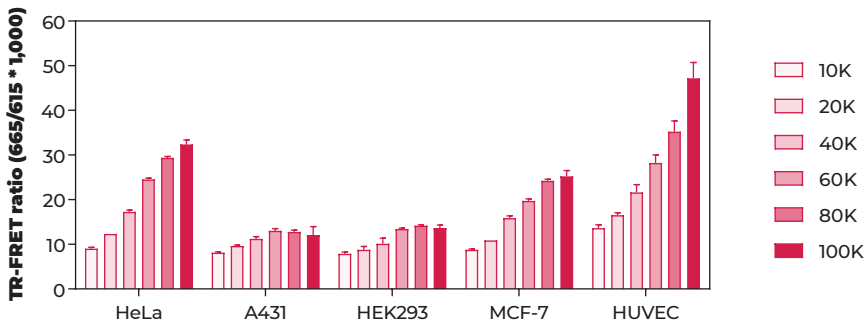


VALIDATION DATA

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

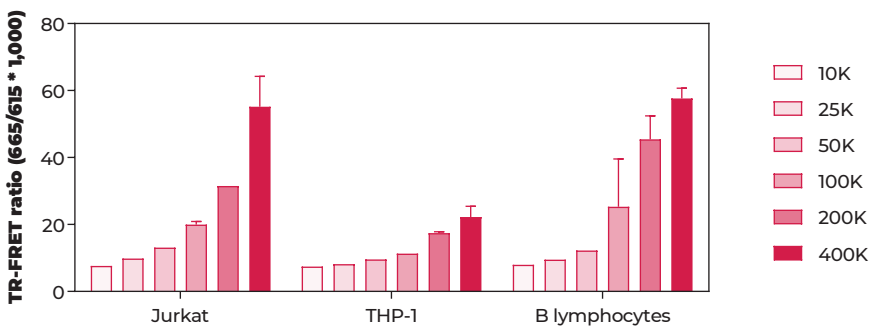
- Adherent cells were cultured overnight in a 96-well tissue culture plate. Suspension cells were centrifuged and resuspended at the desired density.
- Cells were lysed in 1X **Lysis Buffer 3** supplemented with the phosphatase inhibitors sodium fluoride (1 mM) and sodium orthovanadate (2 mM).
- Following a **30-min** incubation at room temperature (RT) on an orbital shaker (400 rpm), **lysates were diluted 10-fold in 1X Lysis Buffer 3**.
- Diluted 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

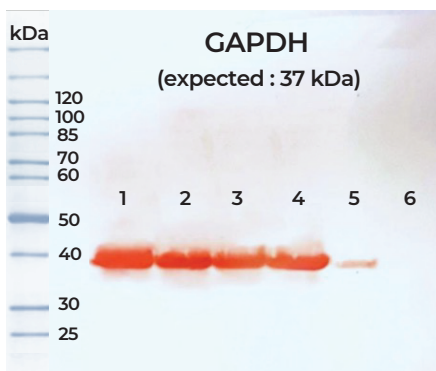


Note that similar data can be obtained with Lysis Buffer 4.

SUSPENSION CELLS



Note that lysates from different cells must be tested neat and diluted in 1X supplemented Lysis Buffer to ensure that samples are within the assay linear range.



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.

