Anti-Human CD62L Antibody [PSH13-86] - BSA and Azide free (Detector)

HA723578

Product Type:	Recombinant Rabbit monoclonal IgG, primary antibodies
Species reactivity:	Human
Applications:	ELISA(Det)
Clone number:	PSH13-86

Description: L-selectin, also known as CD62L, is a cell adhesion molecule found on the cell surface of leukocytes, and the blastocyst. It is coded for in the human by the SELL gene. L-selectin belongs to the selectin family of proteins, which recognize sialylated carbohydrate groups containing a Sialyl LewisX (sLeX) determinant. L-selectin plays an important role in both the innate and adaptive immune responses by facilitating leukocyte-endothelial cell adhesion events. These tethering interactions are essential for the trafficking of monocytes and neutrophils into inflamed tissue as well as the homing of lymphocytes to secondary lymphoid organs. L-selectin is also expressed by lymphoid primed hematopoietic stem cells and may participate in the migration of these stem cells to the primary lymphoid organs. In addition to its function in the immune response, L-selectin is expressed on embryonic cells and facilitates the attachment of the blastocyst to the endometrial endothelium during human embryo implantation.

Immunogen: Recombinant protein within Human CD62L aa 39-332 (HA211181).

Positive control: Recombinant Human CD62L protein (HA211181).

Subcellular location: Cell membrane.

Database links: SwissProt: P14151 Human

Recommended Dilutions:

ELISA(Det) Use at an assay dependent concentration. Can be paired for Sandwich ELISA with Rabbit monoclonal [PSH13-85] to Human CD62L antibody (Capture) (HA723576) and Recombinant Human CD62L protein (HA211181) as the standard. The reference range value is 19.5-5,000 pg/mL.

Storage Buffer: 1*PBS (pH7.4).

Storage Instruction: Store at +4℃ after thawing. Aliquot store at -20℃. Avoid repeated freeze / thaw cycles.

Purity: Protein A affinity purified.

Images

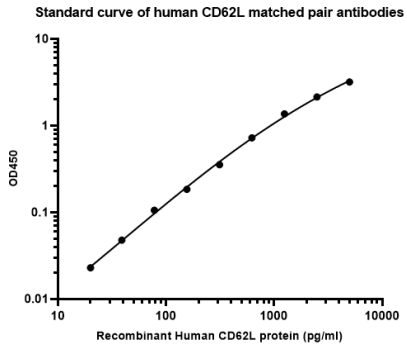

Fig1: Sandwich ELISA analysis of human CD62L matched pair antibodies

Capture: HA723576, Human CD62L Rabbit mAb [PSH13-85]
Detector: HA723578, Human CD62L Rabbit mAb [PSH13-86]

Elisa assay was performed by coating wells of a 96-well plate with 100 µl per well of capture antibody (HA723576) diluted in carbonate/bicarbonate buffer, at a concentration of 2ug/ml overnight at 4℃. Wells of the plate were washed, blocked with 150 µl 0.05% tween-20 1% BSA blocking buffer, and incubated with serial diluted Recombinant Human CD62L protein (HA211181) starting from 5,000 pg/ml to 0 pg/ml and detect antibody (HA723578, Biotin, 0.2 µg/ml) for 1 hour at 30℃ with shaking. Then the plate was washed and incubated with 100 µl per well of SA-HRP for 0.5 hour at 30℃ with shaking. Detection was performed using an Ultra TMB Substrate for 10 minutes at room temperature in the dark. The reaction was stopped with sulfuric acid and absorbances were read on a spectrophotometer at 450 nm.

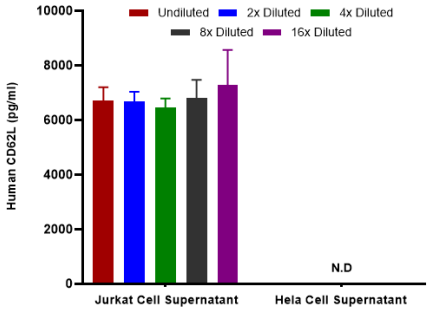

Fig2: Interpolated concentrations of native CD62L in human samples.

Capture: HA723576, Human CD62LRabbit mAb [PSH13-85]
Detector: HA723578, Human CD62L Rabbit mAb [PSH13-86]

Interpolated concentration of native CD62L was measured in duplicate at different sample concentrations and interpolated from the CD62L standard curves. Undiluted samples were 100% cell supernatant. The interpolated dilution factor corrected values were plotted (mean +/- SD, n=2). The mean CD62L concentration was determined to be 6,792 pg/mL in Jurkat cell supernatant. There was no detectable signal in Hela cell supernatant.

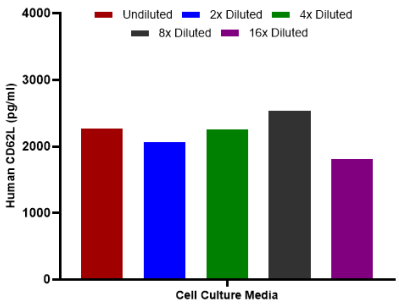

Fig3: Interpolated concentrations of spiked CD62L in cell culture media samples.

Capture: HA723576, Human CD62L Rabbit mAb [PSH13-85]
Detector: HA723578, Human CD62L Rabbit mAb [PSH13-86]

The concentrations of CD62L were measured in duplicates, interpolated from the CD62L standard curves and corrected for sample dilution. Undiluted samples are as follows: cell culture media 50%. The interpolated dilution factor corrected values are plotted (mean +/- SD, n=2).

Background References

1. Hanson CH et al. CD62L expression marks a functionally distinct subset of memory B cells. Cell Rep. 2023 Dec
2. Ito Y et al. CD62L expression level determines the cell fate of myeloid progenitors. Stem Cell Reports. 2021 Dec