

For Research Use Only

HMGB1 Recombinant monoclonal antibody, PBS Only (Capture)

Catalog Number: 82973-2-PBS



Basic Information

Catalog Number:

82973-2-PBS

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG1264

GenBank Accession Number:

BC003378

GeneID (NCBI):

3146

UNIPROT ID:

P09429

Full Name:

high-mobility group box 1

Calculated MW:

25 kDa

Observed MW:

25-30 kDa

Purification Method:

Protein A purification

CloneNo.:

230182C11

Applications

Tested Applications:

Sandwich ELISA, Indirect ELISA

Species Specificity:

human

Background Information

Storage

Storage:

Store at -80°C.

The product is shipped with ice packs. Upon receipt, store it immediately at -80°C

Storage Buffer:

PBS only, pH7.3

For technical support and original validation data for this product please contact:

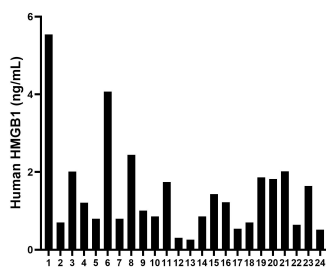
T: 4006900926

E: Proteintech-CN@ptglab.com

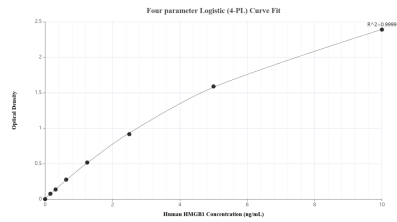
W: ptgcn.com

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Selected Validation Data

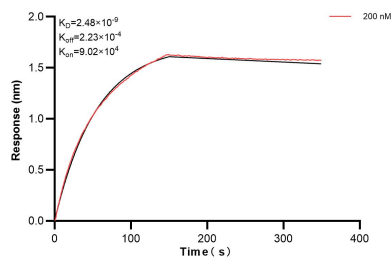


Plasma of twenty-four individual healthy human donors was measured. The HMGB1 concentration of detected samples was determined to be 1.46 ng/mL with a range of 0.26-5.54 ng/mL.



Sandwich ELISA standard curve of MP00311-2, Human HMGB1 Recombinant Matched Antibody Pair - PBS only. 82973-2-PBS was coated to a plate as the capture antibody and incubated with serial dilutions of standard Ag1264. 82973-3-PBS was HRP conjugated as the detection antibody. Range: 0.156-10 ng/mL.

(blue) 1×10^6 Jurkat cells were intracellularly stained with 0.25 ug Anti-Human HMGB1 (82973-2-RR, Clone:230182C11) and APC-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) at dilution 1:166(red), or 0.25 ug rabbit IgG isotype control. Cells were fixed and permeabilized with True-Nuclear Transcription Factor Buffer Set. This data was developed using the same antibody clone with 82973-2-PBS in a different storage buffer formulation.



Biolayer interferometry (BLI) kinetic assay of 82973-2-PBS against Human HMGB1 was performed. The affinity constant is 2.48 nM.