For Research Use Only

IL-1 alpha Recombinant monoclonal antibody, PBS Only (Detector)

Catalog Number:84411-3-PBS

proteintech®
Antibodies | ELISA kits | Proteins
www.ptglab.com

Basic Information

Catalog Number:
84411-3-PBS

Source:
Rabbit

Isotype:
IgG

Immunogen Catalog Number:
HZ-1320

GenBank Accession Number:
BC013142

GeneID (NCBI):
3552

UNIPROT ID:
P01583

Full Name:
interleukin 1, alpha

Calculated MW:
271 aa, 31 kDa

Purification Method:
Protein A purification

CloneNo.:
241752F11

Applications

Tested Applications:
Sandwich ELISA, Indirect ELISA

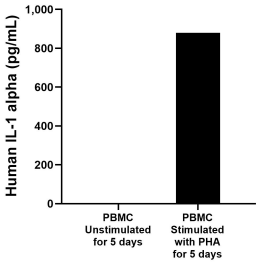
Species Specificity:
human

Background Information

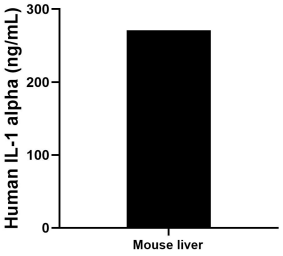
Storage

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

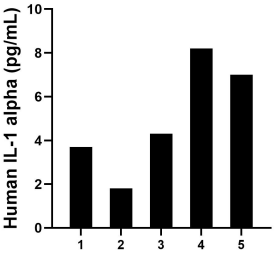
Selected Validation Data



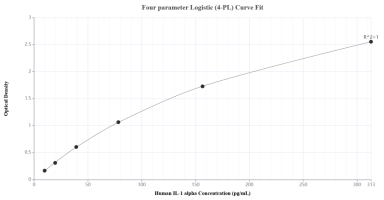
Human peripheral blood mononuclear cells (PBMC) were cultured unstimulated or stimulated with 10 μg/mL PHA for 5 days. The mean IL-1 alpha concentration was determined to be 2.1 pg/mL in unstimulated PBMC supernatant, 880.0 pg/mL in PHA stimulated PBMC supernatant.



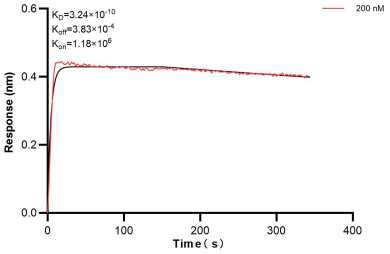
The mean IL-1 alpha concentration was determined to be 271.0 ng/mL in mouse liver tissue extract based on a 3.7 mg/mL extract load.



Serum of five individual healthy human donors was measured. The IL-1 alpha concentration of detected samples was determined to be 5.0 pg/mL with a range of 1.8-8.2 pg/mL.



Sandwich ELISA standard curve of MP01289-3, Human IL-1 alpha Recombinant Matched Antibody Pair - PBS only. 84411-2-PBS was coated to a plate as the capture antibody and incubated with serial dilutions of standard HZ-1320. 84411-3-PBS was HRP conjugated as the detection antibody. Range: 9.77-313 pg/mL.



Biolayer interferometry (BLI) kinetic assay of 84411-3-PBS against Human IL1A was performed. The affinity constant is 0.324 nM.