

Anti-Human CCL15/MIP-5 Antibody [PSH23-12] - BSA and Azide free (Detector)

HA725342



Product Type:	Recombinant Rabbit monoclonal IgG, primary antibodies
Species reactivity:	Human
Applications:	ELISA(Det)
Clone number:	PSH23-12

Description: Chemokine (C-C motif) ligand 15 (CCL15) is a small cytokine belonging to the CC chemokine family that is also known as leukotactin-1, MIP5 and HCC-2. CCL15 is expressed in liver, small intestine, colon, and in certain leukocytes and macrophages of the lung.[1] It is chemotactic for neutrophils, monocytes, and lymphocytes and elicits its effects by binding to cell surface chemokine receptors like CCR1 and CCR3.[2][3] The human CCL15 gene spans four exons and is located in a head-to-tail orientation on chromosome 17 with the gene of another CC chemokine known as CCL14.

Immunogen: Recombinant protein within Human CCL15/MIP-5 aa 22-113 (HA211207).

Positive control: Recombinant Human CCL15/MIP-5 protein (HA211207).

Subcellular location: Secreted.

Database links: SwissProt: Q16663 Human

Recommended Dilutions:

ELISA(Det) Use at an assay dependent concentration. Can be paired for Sandwich ELISA with Rabbit monoclonal [PSH23-11] to Human CCL15/MIP-5 (Capture) (HA725341) and Recombinant Human CCL15/MIP-5 protein (HA211207) as the standard. The reference range value is 62.5-2,000 pg/mL.

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

Storage Instruction: Store at 2-8℃. Avoid freeze.

Purity: Protein A affinity purified.

Hangzhou Huaan Biotechnology Co., Ltd.

Orders:0086-571-88062880

Technical:0086-571-89986345

Service mail:support@huabio.cn

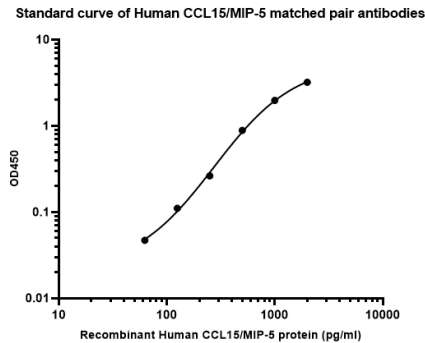
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Applications:WB=Western blot IHC-P=Immunohistochemistry (paraffin) IF-Cell=Immunofluorescence (Cell) IF-Tissue=Immunofluorescence (Tissue) FC=Flow cytometry IP=Immunoprecipitation

Images

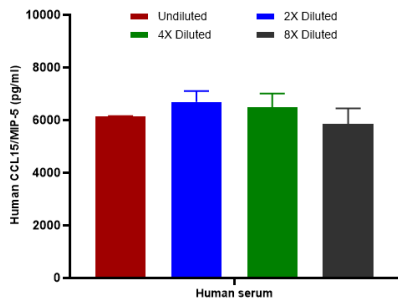
Fig1: Sandwich ELISA analysis of Human CCL15/MIP-5 matched pair antibodies

Capture: HA725341, Human CCL15/MIP-5 Rabbit mAb [PSH23-11]
Detector: HA725342, Human CCL15/MIP-5 Rabbit mAb [PSH23-12]



Elisa assay was performed by coating wells of a 96-well plate with 50 μ l per well of capture antibody (HA725341) diluted in carbonate/bicarbonate buffer, at a concentration of 2 μ g/ml overnight at 4 $^{\circ}$ C. Wells of the plate were washed, blocked with 150 μ l 0.05% tween-20 1% BSA blocking buffer, and incubated with serial diluted Recombinant Human CCL15/MIP-5 protein (HA211207) starting from 2,000 pg/ml to 0 pg/ml and detect antibody (HA725342, Biotin, 0.2 μ g/ml) for 1 hour at 30 $^{\circ}$ C with shaking. Then the plate was washed and incubated with 50 μ l per well of SA-HRP for 0.5 hour at 30 $^{\circ}$ C 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 CCL15/MIP-5 in human serum samples.



Capture: HA725341, Human CCL15/MIP-5 Rabbit mAb [PSH23-11]
Detector: HA725342, Human CCL15/MIP-5 Rabbit mAb [PSH23-12]

The concentrations of CCL15/MIP-5 were measured in duplicates, interpolated from the CCL15/MIP-5 standard curve and corrected for sample dilution. Undiluted samples are human serum 50%. The interpolated dilution factor corrected values are plotted (mean $\pm$ SD, n=2). The mean CCL15/MIP-5 concentration was determined to be 6,290 pg/ml in human serum.

Note: All products are "FOR RESEARCH USE ONLY AND ARE NOT INTENDED FOR DIAGNOSTIC OR THERAPEUTIC USE".

Background References

1. Wang Y et al. Identification of SPP1(+) macrophages in promoting cancer stemness via vitronectin and CCL15 signals crosstalk in liver cancer. Cancer Lett. 2024 Nov
2. He S et al. Unlocking ESCC Progression: CCL15-CCR1 Axis Activates AKT/ERK1/2/c-Jun/CDK2 Pathway. J Cancer. 2025 Jul

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