

For Research Use Only

# G-CSF Recombinant Matched Antibody Pair, PBS Only



Catalog Number: **MP02556-1**

## Capture Antibody Information

<b>Catalog Number:</b>	86376-1-PBS	<b>Clone ID:</b>	250389H1	<b>Conjugate:</b>
<b>Host:</b>	Rabbit	<b>Reactivity:</b>	human	<b>Unconjugated</b>
<b>Isotype:</b>	IgG	<b>Immunogen Catalog Number:</b>	HZ-1207	<b>Full name:</b>
<b>Purification Method:</b>	Protein A purification			colony stimulating factor 3 (granulocyte)

## Detection Antibody Information

<b>Catalog Number:</b>	86376-2-PBS	<b>Clone ID:</b>	250389A8	<b>Conjugate:</b>
<b>Host:</b>	Rabbit	<b>Reactivity:</b>	human	<b>Unconjugated</b>
<b>Isotype:</b>	IgG	<b>GenBank:</b>		<b>Full name:</b>
<b>Purification Method:</b>	Protein A purification	<b>Immunogen Catalog Number:</b>	HZ-1207	colony stimulating factor 3 (granulocyte)

## Applications

<b>Tested Applications:</b>	Range:	<b>Recommended Dilutions:</b>
Sandwich ELISA	19.5-1250 pg/mL (Sandwich ELISA)	It is recommended that this reagent should be titrated in each testing system to obtain optimal results.

## Product Information

MP02556-1 targets G-CSF in immunoassays as a matched antibody pair. Validated in Sandwich ELISA. Capture antibody: G-CSF Recombinant antibody, PBS Only (Capture) 86376-1-PBS (250389H1). 100 µg. Concentration 1 mg/ml. Detection antibody: G-CSF Recombinant antibody, PBS Only (Detector) 86376-2-PBS (250389A8). 100 µg. Concentration 1 mg/ml. Unconjugated rabbit recombinant monoclonal antibody pair in PBS only storage buffer at a concentration of 1 mg/mL, ready for conjugation. Created using Proteintech's proprietary in-house recombinant technology. Recombinant production enables unrivalled batch-to-batch consistency, easy scale-up, and future security of supply. Matched antibody pairs are designed for use in a variety of assays and platforms that require matched antibody pairs. Antibody use should be optimized for each application and assay.

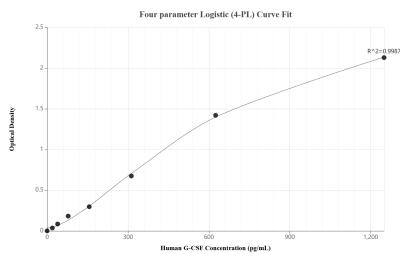
## Storage

**Storage:**  
Store at -80°C.  
**Storage buffer:**  
PBS only

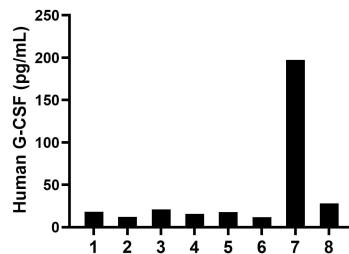
For technical support and original validation data for this product please contact:  
T: 1(888) 4PTGLAB (1-888-478-4522) (toll free  
in USA), or 1(312) 455-8498 (outside USA) E: proteintech@ptglab.com  
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

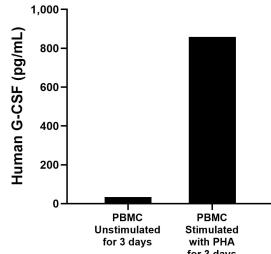
## Selected Validation Data



Sandwich ELISA standard curve of MP02556-1, Human G-CSF Recombinant Matched Antibody Pair - PBS only. 86376-1-PBS was coated to a plate as the capture antibody and incubated with serial dilutions of standard HZ-1207. 86376-2-PBS was HRP conjugated as the detection antibody. Range: 19.5-1250 pg/mL



Serum of eight individual healthy human donors was measured. The G-CSF concentration of detected samples was determined to be 40.3 pg/mL with a range of 11.8-197.6 pg/mL



Human peripheral blood mononuclear cells (PBMC) were cultured unstimulated or stimulated with 10  $\mu$ g/mL PHA for 3 days. The mean G-CSF concentration was determined to be 33.9 pg/mL in unstimulated PBMC supernatant, 858.2 pg/mL in PHA stimulated PBMC supernatant.