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Data sheet Human GM-CSF ELISA antibody pair; 10-plate format

Cat. No.: CT739-10

Coating antibodies (2 vials)

Product:	Monoclonal antibody to human granulocyte-macrophage colony stimulating factor (GM-CSF)
Isotype:	Mouse IgG_1
Production:	*In vitro* using serum free medium
Purification:	DEAE ion exchange chromatography
Buffer:	Prior to lyophilization: 0.25 ml PBS + 125 mM trehalose
Application:	Inject 0.25 ml distilled water into the vial and dilute 100 times in PBS. The content of one vial is sufficient for five 96-well ELISA plates (480 determinations; 50 µl/well).

Detection antibodies (2 vials)

Product:	Biotinylated monoclonal antibody to human granulocyte-macrophage colony stimulating factor (GM-CSF)
Isotype:	Rat IgG_{2a}
Production:	*In vitro* using serum free medium
Purification:	Protein G-affinity chromatography
Labeling:	With Biotin-7-NHS (N-hydroxysuccinimide)
Buffer:	Prior to lyophilization: 0.5 ml PBS + 1% BSA + 125 mM trehalose
Application:	Inject 0.5 ml distilled water into the vial and dilute 100 times in PBS + 0.5% BSA + 0.05% Tween-20. The content of one vial is sufficient for five 96-well ELISA plates (480 determinations; 100 µl/well).

Standards (5 vials)

Product:	Recombinant human granulocyte-macrophage colony stimulating factor (GM-CSF)
Application:	Cytokine standard in an ELISA system
Reconstitution:	Dissolve the contents of one vial by injection of 0.5 ml distilled water into the vial. Use immediately.

Conjugate (2 vials)

Product:	SPP conjugate (Streptavidin-HRP)
Application:	Inject 0.5 ml distilled water into the vial and dilute 100 times in PBS + 0.5% BSA + 0.05% Tween-20. The content of one vial is sufficient for five 96-well ELISA plates (480 determinations; 100 µl/well). The product should be used in combination with TMB substrate.

General

Sensitivity:	2 pg/ml
Specificity:	Validated for detecting natural and recombinant human GM-CSF
Sterility:	Membrane filtered (0.2 µm)
Stability:	Lyophilized SPP conjugate is stable for at least one year at -20°C in the dark, the other lyophilized products are stable for more than one year at 4°C. After reconstitution, the antibodies are stable for one year at 4°C (if kept sterile) and SPP for minimal one year at -20°C in the dark. The reconstituted standard preparation should be used immediately.
References:	Duan, R. *et al*. 2007. Invest. Ophthalmol. Vis. Sci. 48: 277-284

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