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Anti-Human IgG Fd Monoclonal Antibody

Catalogue#	Format	Size	Concentration	Isotype Control
CL6045AP	Purified	200 µg	1.0 mg/ml	CLCMG100
CL6045B	Biotin	100 µg	0.1 mg/ml	CLCMG115
CL6045F	FITC	100 µg	0.1 mg/ml	CLCMG101
CL6045PE	PE	50 µg	0.1 mg/ml	CLCMG104
CL6045HP	HRPO	100 µg	1.0 mg/ml	CLCMG107

Isotype: Mouse IgG₁

DESCRIPTION:

The Fd region of human Immunoglobulins is located at the N-terminal part of the heavy chain and is an essential component of the antigen-binding fragment Fab. Fd, like the light chain, contains a C-terminal constant (C_H1) and N-terminal variable (V_H) domain. The hypervariable regions in both the light chain and Fd determine the specificity of the Fab.

PRESENTATION:

Purified: Purified IgG buffered in PBS and 0.02% NaN₃. (Purified from ascitic fluid via Protein G Chromatography). For maximum recovery of contents, spin down tube before use.

Biotin, FITC, and PE: Biotin/FITC/PE conjugated IgG buffered in PBS, 0.02% NaN₃ and EIA grade BSA as a stabilizing protein to bring total protein concentration to 4-5 mg/ml.

HRPO: HRPO conjugated IgG buffered in PBS with 40 % glycerol (v/v) and EIA grade BSA as a stabilizing protein to bring total protein concentration to 4-5 mg/ml. No NaN₃ with other preservatives.

STORAGE/STABILITY:

For all formats, store at + 4°C. DO NOT FREEZE PE conjugates. For long term storage (**Purified/Biotin/FITC/HRPO**), aliquot and freeze unused portion at -20°C in volumes appropriate for single usage. Avoid freeze/thaw cycles. For Maximal recovery of contents, please quick-spin vial before opening.

APPLICATION:

This antibody is suitable for use in ELISA (both capture and detection antibody), Radioimmunoassay and WB.

* For optimal results in various applications, it is recommended that each investigator determine dilutions appropriate for individual use.

Continued Overleaf.....

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SPECIFICATIONS:

Clone: HP6045

Immunogen: Human IgG Fd

Specificity: Human IgG Fd

ELISA Specificity: human IgG subclass 1 100%
human IgG subclass 2 100%
human IgG subclass 3 100%
human IgG subclass 4 99%
human IgG Pan (pooled IgG1-4) 100%
human IgG Fc 0.04%
human IgG Fab 100%

REFERENCES:

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4. Reimer, C.B. et al; Evaluation of thirty-one mouse monoclonal antibodies to human IgG epitopes. *Hybridoma*, 3: 263-75, 1984.