9853 Pacific Heights Blvd.
Suite D. San Diego,
CA 92121, USA
Tel: 858-263-4982
Email: info@abeomics.com

30-1374PE: PE Conjugated Anti-Human IgG (Fc) Monoclonal Antibody (Clone: EM-07)

Clonality :	Monoclonal
Clone Name :	EM-07
Application :	FACS
Reactivity :	Human
Conjugate :	PE
Alternative Name :	Immunoglobulin G Fc fragment
Isotype :	Mouse IgG1
Immunogen Information :	Fusion protein of human IgG Fc fragment.

Description

Immunoglobulin G (IgG) is a 150 kDa soluble protein that serves as a major effector molecule of the humoral immune response in man. Its concentration in blood plasma of healthy individuals is approximately 10 g/l, which accounts for about 75% of the total plasma immunoglobulins. IgG has the highest stability of blood immunoglobulins (T1/2 = 21 days) and is able of placental transfer. IgG is secreted by plasma cells at a comparably high rate as other immunoglobulins.

Specificity: The mouse monoclonal antibody EM-07 reacts with Fc part of human heavy chain of secreted IgG antibodies and with isolated Fc fragments. It does not react with IgG Fc domain in a complex of BCR (B cell antigen receptor).

Product Info

Amount :	0.1 mg
Purification :	Purified antibody is conjugated with R-phycoerythrin (PE) under optimum conditions. Unconjugated antibody and free fluorochrome are removed by size-exclusion chromatography.
Content :	Stabilizing phosphate buffered saline (PBS), pH 7.4, 15 mM sodium azide
Storage condition :	Store at 2-8°C. Protect from prolonged exposure to light. Do not freeze.

Application Note

Flow cytometry: Recommended dilution: 1-5 µg/ml.

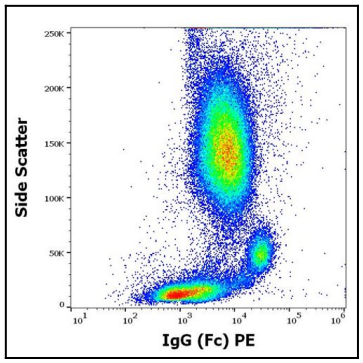

Figure 1: Flow cytometry surface staining pattern of human peripheral whole blood stained using anti-human IgG (Fc) (EM-07) PE antibody (concentration in sample 3 µg/ml).

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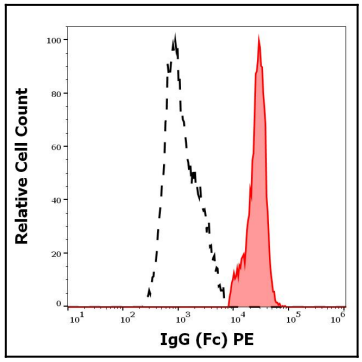

Figure 2: Separation of human monocytes (red-filled) from lymphocytes (black-dashed) in flow cytometry analysis (surface staining) of human peripheral whole blood stained using anti-human IgG (Fc) (EM-07) PE antibody (concentration in sample 3 µg/ml).