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InnoCyto Inc.

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APC/Cyanine7 Anti-Mouse F4/80 Antibody

Catalog Number:	202515, 202516
Size:	25 μg, 100 μg
Target Name:	EMR1, Ly71
Regulatory Status:	RUO

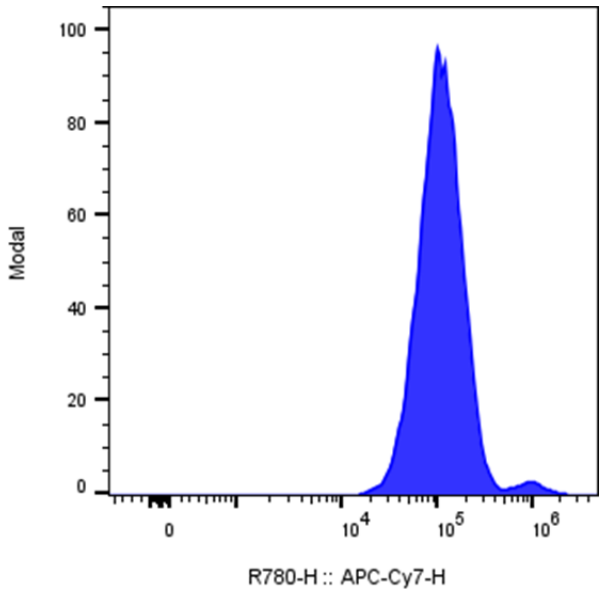
PRODUCT DETAILS

Clone:	BM8
Application:	Flow Cytometry
Reactivity:	Mouse
Format:	APC/Cyanine7
Isotype:	Rat IgG2a
Antibody Type:	Monoclonal
Formulation:	Phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide and 0.2% (w/v) BSA
Protein Concentration:	Supplied at a lot-specific concentration.
Storage&Handling:	The antibody solution should be stored undiluted between 2°C and 8°C, and protected from prolonged exposure to light. Do not freeze.
Recommended Usage:	For flow cytometric staining, it is recommended to use less than 0.5 µg of this reagent per 0.5-1.0 million cells in a 100 µL volume. Optimal reagent performance should be determined by titration for each specific application. APC/Cyanine7 has an excitation max at 650 nm and an emission max at 774 nm.
Excitation Laser:	Red Laser (633 nm)
Isotype Control:	303505

BACKGROUND INFORMATION

F4/80 is a 160 kDa cell surface glycoprotein and a member of the epidermal growth factor (EGF)-transmembrane 7 (TM7) family of adhesion G-protein–coupled receptors. Also referred to as EMR1 or Ly71, F4/80 is a well-established marker of murine macrophages. It is broadly expressed on the majority of tissue-resident macrophages, including peritoneal macrophages, lung macrophages, gut lamina propria macrophages, thymic and bone marrow stromal macrophages, splenic red pulp macrophages, Kupffer cells in the liver, and Langerhans cells in the skin. Notably, F4/80 is absent from macrophages located in T cell zones of the spleen, lymph nodes, and Peyer’s patches. It has also been detected on a subset of dendritic cells, reflecting its heterogeneous expression pattern that can vary with macrophage maturation and activation

PRODUCT DATA



RAW 264.7 cells were stained with APC/Cy7 Anti-Mouse F4/80 clone BM8 (color-filled histogram) or an isotype control (gray histogram).

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