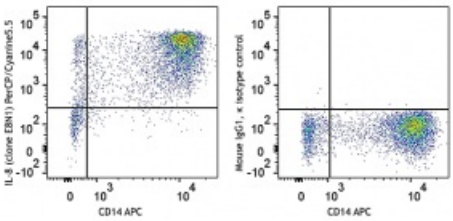
SONY

Product Data Sheet

PerCP/Cyanine5.5 anti-human IL-8

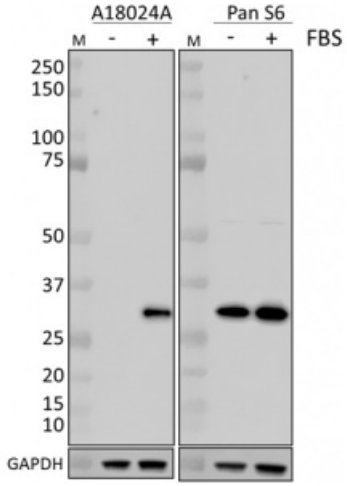
Catalog # / Size:	3157110 / 100 tests 3157105 / 25 tests
Clone:	E8N1
Isotype:	Mouse IgG1, κ
Immunogen:	Human TRAIL-transfected mouse cell line
Reactivity:	Human
Preparation:	The antibody was purified by affinity chromatography and conjugated with PerCP/Cyanine5.5 under optimal conditions.
Formulation:	Phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide and 0.2% (w/v) BSA (origin USA)
Workshop Number:	HCDM listed
Concentration:	lot-specific



LPS-stimulated (6 hours, in the presence of monensin) human peripheral blood monocytes were surface stained with CD14 APC and then intracellularly stained with IL-8 (clone E8N1) PerCP/Cyanine5.5 (left) or mouse IgG1, κ PerCP/Cyanine5.5 isotype control (right).

Applications:

Applications:	Intracellular Flow Cytometry
Recommended Usage:	Each lot of this antibody is quality control tested by intracellular immunofluorescent staining with flow cytometric analysis. For flow cytometric staining, the suggested use of this reagent is 5 µL per million cells in 100 µL staining volume or 5 µL per 100 µL of whole blood. It is recommended that the reagent be titrated for optimal performance for each application. * PerCP/Cyanine5.5 has a maximum absorption of 482 nm and a maximum emission of 690 nm.
Application Notes:	**ELISA Detection:** The biotinylated E8N1 antibody is useful as the detection antibody in a sandwich ELISA assay, when used in conjunction with the purified H8A5 antibody as the capture antibody.



Total cell lysates (15 µg protein) from serum-starved NIH/3T3 cells treated without (-) or with (+) 20% FBS for 30 minutes were resolved by 4-12% Bis-Tris gel electrophoresis, transferred to a PVDF membrane, and probed with 0.25 µg/mL (1:2000 dilution) of purified anti-RPS6 Phospho (Ser244) antibody (clone A18024A). Proteins were visualized by chemiluminescence detection using HRP goat anti-mouse IgG antibody at a 1:3000 dilution. Equal protein loading was confirmed using a purified anti-RPS6 antibody and Direct-Blot™ HRP anti-GAPDH antibody used at a 1:25000 dilution

(lower). Lane M: molecular weight ladder.

Application References:

1. Kayagaki N, *et al.* 1999. *J. Immunol.* 162:2639. (Block)
2. Uno K, *et al.* 2003. *Blood* 101:3658. (Block)
3. Sato K, *et al.* 2005. *J. Immunol.* 174:4025. (Block)
4. Denny MF, *et al*. 2007. *Blood* 110:2907. (Block)
5. Kemter E, *et al.* 2011. *Xenotransplantation.* 19:40. PubMed

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Description: IL-8, also known as neutrophil chemotactic factor, neutrophil activating protein, and monocyte-derived neutrophil chemotactic factor, is a member of the alpha (C-X-C) subfamily of chemokines called CXCL8. In response to proinflammatory stimuli, IL-8 is produced by monocytes, macrophages, T cells, neutrophils, and fibroblasts. IL-8 promotes neutrophil chemotaxis and degranulation. The 72 amino acid IL-8 is the predominant form secreted by monocytes and lymphocytes. The E8N1 antibody recognizes the human IL-8 protein and has been shown to be useful for intracellular immunofluorescence flow cytometric analysis and as ELISA detection antibody.

Antigen References:

1. Fitzgerald K, *et al.* Eds. 2001. The Cytokine FactsBook. Academic Press San Diego.
2. Baggiolini M, *et al.* 1994. *Adv. Immunol.* 55:97.
3. Schröder J, *et al.* 1992. *Immunology Ser.* 57:387.
4. Zwahlen R, *et al.* 1993. *Intl. Rev. Expt. Pathol.* 34:27.