



Peninsula Laboratories International, Inc.

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Anti Human Formyl Peptide Receptor-Like 2 FPRL2; UniProt: Q6L5J4

FPRL2 is a 353 amino acid G-protein coupled receptor. Its particular distribution on macrophage subsets of the lung, intestine and skin suggest an involvement in innate immunity against helminths or in allergic diseases. Fittingly, the receptor has also been identified on eosinophils, but not on neutrophils. The endogenous peptide F2L, an acetylated 21 amino acid peptide derived from heme-binding protein, is a most specific ligand for FPRL2 and causes chemotaxis but not degranulation in human eosinophils. F2L is also chemotactic for plasmacytoid dendritic cells which express FPRL2 and up-regulate this receptor during maturation.

Product Number:	T-1234 (Lot 01PO1302)
Clone:	2G3
Host species, isotype:	Mouse IgG2a, kappa light chain
Quantity:	200µg
Format:	Protein G purified, lyophilized Affinity purified from serum-free cell culture supernatant, lyophilized. Reconstitute by adding 0.5ml distilled water. This stock solution contains 0.5mg/ml IgG, phosphate buffered saline pH 7.2 (PBS), 5mg/ml bovine serum albumin (BSA) as a stabilizer and 0.1% Kathon as a preservative.
Storage and Stability:	Original vial with lyophilized antibody is stable for 1 year from date of despatch. Aliquots of stock solution can be kept frozen at -20°C for two years from date of reconstitution; do not freeze working dilutions.
Approximate working dilution for IHC:	optimal dilution should be tested by serial dilution. This particular clone has been described for use in FACS. Weak reaction has been observed in IHC.
Suggested positive control:	Eosinophils; monocyte-derived macrophages
Immunogen:	DNA vaccine.
Antigen, epitope:	The specificity of the antibody was verified by flow cytometry with cells expressing the recombinant protein. The epitope was not further characterized.
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This product contains Kathon as a preservative and is intended for laboratory use and research purposes only. Purchase of this product does not include authorization to reverse engineer any part thereof, nor to use it in diagnostic or therapeutic applications.

Literature:

Devosse, T. et al.: Formyl Peptide Receptor-Like 2 is expressed and functional in plasmacytoid Dendritic Cells, tissue-specific Macrophage subpopulations, and Eosinophils. *J. Immunol.* 182: 4974-84 (2009).