

AM01316RP-N**Monoclonal Antibody to EMR3 - PE**

Alternate names:	EGF-like module receptor 3, EGF-like module-containing mucin-like hormone receptor-like 3
Quantity:	100 Tests
Concentration:	0.1 mg/ml
Background:	EMR3 is expressed at the cell surface as a heterodimer. The molecule is predominantly expressed on granulocytes, and at lower levels on mature myeloid cells, monocytes and dendritic cells. EMR3 is absent on lymphocytes, haematopoietic stem cells and myeloid progenitors. Studies suggest that the EMR3 molecule is up-regulated during late stages of neutrophil differentiation and is a marker for terminally differentiated cells. The exact functions of EMR3 and its ligands have not yet been determined.
Uniprot ID:	Q9BY15
NCBI:	NP_115960.2
GeneID:	84658
Host / Isotype:	Hamster / IgG
Clone:	3D7
Immunogen:	ARHO-EMR3-CD97 (EGF1) transfectants. Spleen cells from immunised Armenian hamster were fused with cells of the mouse SP2/0 myeloma cell line. Genename: EMR3
Format:	State: Lyophilized purified IgG Purification: Affinity chromatography on Protein G Buffer System: PBS, pH 7.4 containing 0.09% Sodium Azide and 1% Bovine Serum Albumin Label: PE – Phycoerythrin (RPE) Reconstitution: Restore with 1.0 ml distilled water.
Applications:	Flow cytometry (Neat - 1/5): use 10 µl of the suggested working dilution to label 10e6 cells in 100 µl. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
Specificity:	This antibody recognises epidermal growth factor (EGF) module-containing mucin-like hormone receptor 3 (EMR3), which is a 56kD member of the EGF-7 transmembrane (TM7) family of adhesion receptors. Species: Human. Other species not tested.
Storage:	Store the antibody undiluted at 2-8°C for one month. This product is photosensitive and should be protected from light. Shelf life: one year from despatch.

General Readings:

1. Stacey M, Lin HH, Hilyard KL, Gordon S, McKnight AJ. Human epidermal growth factor (EGF) module-containing mucin-like hormone receptor 3 is a new member of the EGF-TM7 family that recognizes a ligand on human macrophages and activated neutrophils. J Biol Chem. 2001 Jun 1;276(22):18863-70. Epub 2001 Mar 14. PubMed PMID: 11279179.