

Product datasheet for **AM01316FC-N**

EMR3 (ADGRE3) Hamster Monoclonal Antibody [Clone ID: 3D7]

Product data:

Product Type:	Primary Antibodies
Clone Name:	3D7
Applications:	FC
Recommended Dilution:	Flow cytometry (Neat - 1/10): use 10 µl of the suggested working dilution to label 10e6 cells in 100 µl.
Reactivity:	Human
Host:	Hamster
Isotype:	IgG
Clonality:	Monoclonal
Immunogen:	ARHO-EMR3-CD97 (EGF1) transfectants. Spleen cells from immunised Armenian hamster were fused with cells of the mouse SP2/0 myeloma cell line.
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.
Formulation:	PBS, pH 7.4, containing 0.09% Sodium Azide Label: FITC State: Liquid purified IgG Label: Fluorescein Isothiocyanate Isomer I
Concentration:	lot specific
Purification:	Affinity chromatography on Protein G
Conjugation:	FITC
Storage:	Store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing. This product is photosensitive and should be protected from light.
Stability:	Shelf life: one year from despatch.
Gene Name:	adhesion G protein-coupled receptor E3
Database Link:	Entrez Gene 84658 Human Q9BY15



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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.