



# Anti-EMR3 monoclonal antibody, clone 3D7 [R-PE] (CABT-52289HH)

This product is for research use only and is not intended for diagnostic use.

## PRODUCT INFORMATION

### Product Overview

Hamster anti Human EMR3 antibody, clone 3D7 recognizes human 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. 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. Flow Cytometry Use 10ul of the suggested working dilution to label 10<sup>6</sup> cells in 100ul.

<b>Specificity</b>	EMR3
<b>Immunogen</b>	ARHO-EMR3-CD97 (EGF1) transfectants.
<b>Isotype</b>	IgG
<b>Source/Host</b>	Hamster
<b>Species Reactivity</b>	Human
<b>Clone</b>	3D7
<b>Conjugate</b>	PE
<b>Applications</b>	FC
<b>Format</b>	Purified IgG conjugated to R. Phycoerythrin (RPE) - lyophilised
<b>Size</b>	100 tests

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<b>Preservative</b>	0.09% Sodium Azide
<b>Storage</b>	Store at +4°C. DO NOT FREEZE. This product should be stored undiluted. This product is photosensitive and should be protected from light. Should this product contain a precipitate we recommend microcentrifugation before use.

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## GENE INFORMATION

<b>Gene Name</b>	<a href="#">EMR3 egf-like module containing, mucin-like, hormone receptor-like 3 [ Homo sapiens (human) ]</a>
<b>Official Symbol</b>	EMR3
<b>Synonyms</b>	EMR3; egf-like module containing, mucin-like, hormone receptor-like 3; EGF-like module-containing mucin-like hormone receptor-like 3; EGF-like module receptor 3; egf-like module-containing mucin-like receptor 3;
<b>Entrez Gene ID</b>	<a href="#">84658</a>
<b>Protein Refseq</b>	<a href="#">NP_001276087</a>
<b>UniProt ID</b>	Q9BY15
<b>Chromosome Location</b>	19p13.1
<b>Pathway</b>	Class B/2 (Secretin family receptors); Defective ACTH causes Obesity and Pro-opiomelanocortin deficiency (POMCD); Disease; GPCR ligand binding; GPCRs, Other; Metabolic disorders of biological oxidation enzymes; Signal Transduction; Signaling by GPCR;
<b>Function</b>	G-protein coupled receptor activity; calcium ion binding;

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