

Product datasheet for **AM01307BT-N**

CLEC10A Rat Monoclonal Antibody [Clone ID: ER-MP23]

Product data:

Product Type:	Primary Antibodies
Clone Name:	ER-MP23
Applications:	FC
Recommended Dilution:	Flow Cytometry: Use 10 µl of Neat-1/10 diluted antibody to label 10e6 cells in 100 µl.
Reactivity:	Mouse
Host:	Rat
Isotype:	IgG2a
Clonality:	Monoclonal
Immunogen:	Balb/c macrophage precursor cell hybrids. Cells from immunised rats were fused with cells of the rat Y3-Ag1.2.3 myeloma cell line.
Specificity:	This antibody recognises the CD301 cell surface protein. In mice, CD301 is predominantly expressed on mature macrophages found associated with a wide range of connective tissues including macrophages in the dermis and the pancreas. Clone ER-MP23 also detects a population of dendritic cells in lymphoid tissue, which are probably recent immigrants from peripheral connective tissue sites. Clone ER-MP23 is reported to block the function of murine CD301. The antibody binds both MGL1 and MGL2 homologues.
Formulation:	PBS, pH 7.4 containing 0.09% Sodium Azide as preservative Label: Biotin State: Liquid purified Ig fraction
Concentration:	lot specific
Purification:	Affinity Chromatography on Protein G
Conjugation:	Biotin
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.
Stability:	Shelf life: one year from despatch.
Gene Name:	C-type lectin domain family 10 member A
Database Link:	Q8IUN9



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Background:

In mice, CD301 is predominantly expressed on mature macrophages found associated with a wide range of connective tissues including macrophages in the dermis and the pancreas. Clone ER-MP23 also detects a population of dendritic cells in lymphoid tissue, which are probably recent immigrants from peripheral connective tissue sites. Expression of CD301 is induced by alternative (i.e. IL-4/IL-13 mediated) activation of macrophages and dendritic cells, but not all CD301 positive cells are necessarily IL-4/IL-13 stimulated.

Synonyms:

CLECSF13, CLECSF14, HML