



Rat Anti-Mouse CLEC9A Monoclonal Antibody, clone 10B4 (CABT-Z406R)

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

PRODUCT INFORMATION

Product Overview	Rat Anti-Mouse CD370 (Clec9A) monoclonal antibody, clone 10B4 (also known as 24/04-10B4).
Immunogen	KLH-conjugated linear peptide corresponding to mouse CLEC9A.
Isotype	IgG2a, κ
Source/Host	Rat
Species Reactivity	Mouse
Clone	10B4
Purification	Protein G purified
Conjugate	Unconjugated
Applications	WB, FC
Format	Liquid
Concentration	Lot specific
Size	100 µg
Buffer	0.1 M Tris-Glycine (pH 7.4), 150 mM NaCl with 0.05% sodium azide.
Preservative	0.05% Sodium Azide
Storage	Stable for 1 year at 2-8°C from date of receipt.

BACKGROUND

Introduction CLEC9A, also known as Dendritic cell natural killer lectin group receptor 1 (DNGR-1), and encoded by the gene Clec9a/Dngr-1, functions as an endocytic receptor on a small subset of myeloid cells specialized for the uptake and processing of material from dead cells. CLEC9A functions as a SYK-coupled C-type lectin receptor to mediate sensing of necrosis by the principal dendritic-cell subset involved in regulating cross-priming to cell-associated antigens. CLEC9A recognizes filamentous form of actin in association with particular actin-binding domains of cytoskeletal proteins, including spectrin, exposed when cell membranes are damaged, and mediates the cross-presentation of dead-cell associated antigens in a Syk-dependent manner. CLEC9A is localized to the plasma membrane. CLEC9A is expressed in dendritic cells and has multiple isoforms; isoform 4 is expressed at high levels by CD8+ dendritic cells and at low levels by plasmacytoid DCs but not by other hematopoietic cells.

Keywords CLEC9A;C-type lectin domain family 9, member A;C-type lectin domain family 9 member A;HEEE9341;UNQ9341;DNGR1

GENE INFORMATION

Gene Name	Clec9a
Entrez Gene ID	232414
UniProt ID	Q8BRU4