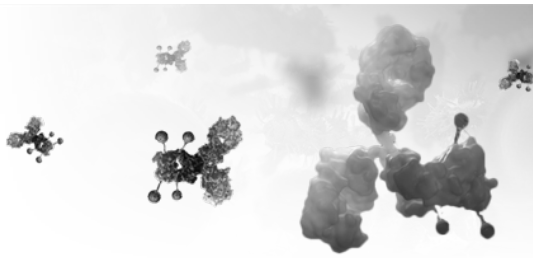

Rat Anti-Mouse CLEC9A monoclonal anyibody, clone 8I22 (CABT-L1107)

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

PRODUCT INFORMATION

Antigen Description	Antigen Structure: Type II transmembrane glycoprotein, consists of a 35 amino acid (aa) cytoplasmic domain with an ITAM-like motif, a 21 aa transmembrane segment, and a 185 extracellular domain (ECD) that contains a stalk region and one C-type lectin domain (CTLD)
Target	CLEC9A
Immunogen	Mouse DNGR1
Isotype	IgG1, κ
Source/Host	Rat
Species Reactivity	Mouse
Clone	8I22
Purification	Affinity purified
Conjugate	Unconjugated
Applications	ELISA, IF, IP, WB, FC
Format	Liquid
Concentration	0.5 mg/ml
Size	100 µg
Buffer	Phosphate-buffered solution, pH 7.2
Preservative	0.09% Sodium Azide

45-1 Ramsey Road, Shirley, NY 11967, USA
Email: info@creative-diagnostics.com
Tel: 1-631-624-4882 Fax: 1-631-938-8221

Storage	The antibody solution should be stored undiluted between 2°C and 8°C.

BACKGROUND

Introduction	CD370 (CLEC9A), also known as DNGR1, is a 264 amino acid (aa) type II transmembrane glycoprotein which belongs to the C-type lectin superfamily. It contains a 208 aa extracellular region with a single carbohydrate recognition domain (CRD) and a cytoplasmic segment (35 aa) bearing an immunoreceptor tyrosine-based activation motif (ITAM). In mice, CLEC9A is strictly expressed on CD8a-positive dendritic cells and plasmacytoid dendritic cells. It recognizes a ubiquitous preformed acid-labile protein associated ligand(s) that is exposed on necrotic cells. CLEC9A ligation is necessary for efficient cross-presentation of dead-cell-associated antigen by recruitment and activation of the tyrosine kinase Syk.
Keywords	CLEC9A;C-type lectin domain family 9, member A;C-type lectin domain family 9 member A;HEEE9341;UNQ9341;DNGR1

45-1 Ramsey Road, Shirley, NY 11967, USA
Email: info@creative-diagnostics.com
Tel: 1-631-624-4882 Fax: 1-631-938-8221