



# Rat Anti-ISEC1 monoclonal antibody, clone HU53 (CABT-RM147)

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

## PRODUCT INFORMATION

<b>Specificity</b>	Specifically detects murine ISEC1 (intestinal secretory cell protein 1), but not the iSEC2.
<b>Target</b>	ISEC1
<b>Immunogen</b>	iSEC1-expressing NIH/3T3 cells.
<b>Isotype</b>	IgG1, κ
<b>Source/Host</b>	Rat
<b>Species Reactivity</b>	Mouse, Rat
<b>Clone</b>	HU53
<b>Purification</b>	Protein G purified
<b>Conjugate</b>	unconjugated
<b>Applications</b>	FC, ICC
<b>Molecular Weight</b>	34.68 kDa calculated.
<b>Format</b>	Liquid
<b>Size</b>	100 µg
<b>Buffer</b>	0.1 M Tris-Glycine (pH 7.4), 150 mM NaCl
<b>Preservative</b>	0.05% sodium azide
<b>Storage</b>	Stable for 1 year at 2-8°C from date of receipt.

# BACKGROUND

Introduction	ISEC1 protein, intestinal secretory cell protein 1 is encoded by the Gm609 gene in murine species. iSEC1 is a D200 homologue that is expressed mainly in the small intestine, but some expression is observed in the stomach, duodenum, jejunum, ileum, cecum, and colon. It is not detected in esophagus or other tissues. It can bind to CD200R, but not to other members of the CD200R family. Binding of iSEC1 to CD200R on intraepithelial lymphocytes (IELs) results in the suppression of cytokine production and cytolytic activity activated by IELs. Hence, iSEC1 is considered as a negative regulator of IELs function. iSEC1 is synthesized with a signal peptide (aa 1-23) that is cleaved off in the mature form. The mature form exists as a disulfide-linked homodimer.
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Keywords	ISEC1; intestinal secretory cell protein 1
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# GENE INFORMATION

Entrez Gene ID	<a href="#">208166</a>
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UniProt ID	<a href="#">A0A077K8V5</a>
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