

Nur für Forschungszwecke

# RAG2 Monoklonaler Antikörper

Katalog-Nr.:CL555-66998



## Allgemeine Informationen

<b>Katalog-Nr.:</b> CL555-66998	<b>GenBank-Zugangsnummer:</b> BC022397	<b>Reinigungsmethode:</b> Protein-G-Reinigung
<b>Größe:</b> 100ul , Konzentration: 1000 µg/ml von5897 Nanodrop;	<b>GeneID (NCBI):</b> 5897	<b>CloneNo.:</b> 1B4E5
<b>Wirt:</b> Maus	<b>Vollständiger Name:</b> recombination activating gene 2	<b>Anregungs-/Emissionsmaxima-Wellenlängen:</b> 557 nm / 570nm
<b>Isotyp:</b> IgG1	<b>Berechnete Masse:</b> 527 aa, 59 kDa	
<b>Immunogen Katalognummer:</b> AG16780	<b>Beobachtete Masse:</b> 57-62 kDa	

## Anwendungen

**Geprüfte Anwendungen:**  
FC (Intra)

**Getestete Reaktivität:**  
Hausschwein, Human

## Hintergrundinformationen

Recombination activating gene 2(RAG2) is core part of the RAG complex(RAG1 and RAG2), which mediates the DNA cleavage phase during V(D)J recombination. The RAG complex also plays a role in pre-B cell allelic exclusion, a process leading to expression of a single immunoglobulin heavy chain allele to enforce clonality and monospecific recognition by the B-cell antigen receptor (BCR) expressed on individual B-lymphocytes. The introduction of DNA breaks by the RAG complex on one immunoglobulin allele induces ATM-dependent repositioning of the other allele to pericentromeric heterochromatin, preventing accessibility to the RAG complex and recombination of the second allele. In the RAG complex, RAG2 is not the catalytic component but is required for all known catalytic activities mediated by RAG1. It probably acts as a sensor of chromatin state that recruits the RAG complex to H3K4me3

## Lagerung

**Lagerungsbedingungen:**  
Bei -20°C lagern. Vor Licht schützen. Nach dem Versand ein Jahr stabil.

**Lagerungspuffer:**  
BS mit 50% Glycerin, 0,05% Proclin300, 0,5% BSA, pH 7,3.

**Aliquotieren ist nicht notwendig bei -20°C Lagerung**

**\*\*\* 20ul-Größen enthalten 0.1% BSA**

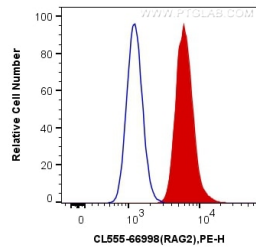
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## Ausgewählte Validierungsdaten



1X10<sup>6</sup> HepG2 cells were intracellularly stained with 0.4 ug CoraLite® 555 Anti-Human RAG2 (CL555-66998, Clone:1B4E5) (red), or 0.4 ug Control Antibody. Cells were fixed and permeabilized with Transcription Factor Staining Buffer Kit (PF00011).