

Nur für Forschungszwecke

# CD44 Monoklonaler Antikörper

Katalog-Nr.:CL488-65117



## Allgemeine Informationen

<b>Katalog-Nr.:</b> CL488-65117	<b>GenBank-Zugangsnummer:</b> BC051388	<b>Reinigungsmethode:</b> Affinitätsreinigung
<b>Größe:</b> 100tests , 5 µl/test	<b>GeneID (NCBI):</b> 12505	<b>CloneNo.:</b> IM7
<b>Wirt:</b> Ratte	<b>Vollständiger Name:</b> CD44 antigen	<b>Empfohlene Verdünnungen:</b> IF 1:50-1:500
<b>Isotyp:</b> IgG2b, kappa		<b>Anregungs-/Emissionsmaxima-Wellenlängen:</b> 493 nm / 522 nm

## Anwendungen

<b>Geprüfte Anwendungen:</b> FC, IF	<b>Positivkontrollen:</b> IF : Maus-Splenozyten,
<b>Getestete Reaktivität:</b> Human, Maus	

## Hintergrundinformationen

CD44 is a type I transmembrane glycoprotein expressed on embryonic stem cells and in various levels on other cell types including connective tissues and bone marrow. CD44 expression is also upregulated in subpopulations of cancer cells and is recognized as a molecular marker for cancer stem cells (PMID: 29747682). It is a cell-surface receptor that mediates cell-cell and cell-matrix interactions through its affinity for hyaluronic acid (HA) and possibly also through its affinity for other ligands (PMID: 10694938). Adhesion with HA plays an important role in cell migration, tumor growth and progression. CD44 is also involved in lymphocyte activation, recirculation and homing, and in hematopoiesis.

## Lagerung

**Lagerungsbedingungen:**  
Store at 2-8°C. Avoid exposure to light. Stable for one year after shipment.  
**Lagerungspuffer:**  
PBS mit 0,1% Natriumazid und 0,5% BSA, pH 7,3.

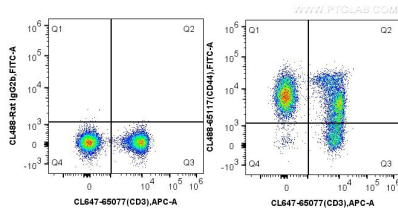
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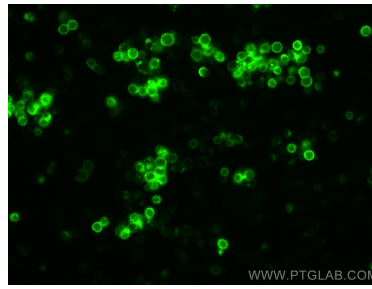
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## Ausgewählte Validierungsdaten



1x10<sup>6</sup> C57BL/6 mouse splenocytes were surface stained with 5  $\mu$ l CoraLite<sup>®</sup> Plus 647 Anti-Mouse CD3 (17A2) (CL647-65077, Clone: 17A2) and CoraLite<sup>®</sup> Plus 488 conjugated Rat IgG2b (left) or 5  $\mu$ l CoraLite<sup>®</sup> Plus 488 Anti-Mouse CD44 (CL488-65117, Clone: IM7) (right). Cells were not fixed.



Immunofluorescent analysis of mouse splenocytes using CoraLite<sup>®</sup> Plus 488 CD44 antibody (CL488-65117, Clone: IM7) at dilution of 1:100.