

## DESCRIPTION

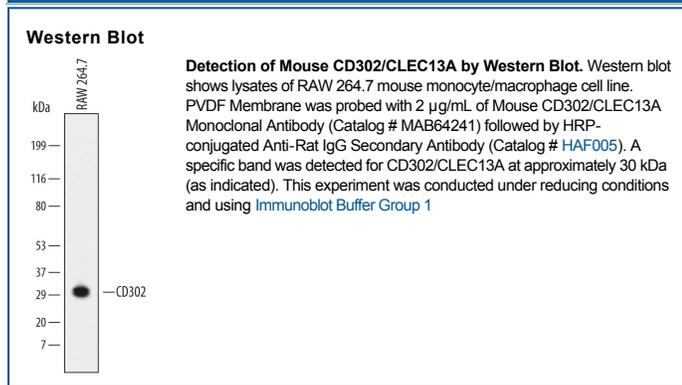
<b>Species Reactivity</b>	Mouse
<b>Specificity</b>	Detects mouse CD302/CLEC13A in direct ELISAs and Western blots. In direct ELISAs, less than 25% cross-reactivity with recombinant human (rh) CD302 is observed. No cross-reactivity with rhCLEC1, 2, 2A, 3B, 9A, 10A, 12B, 14A, recombinant mouse CLEC4B2, 9A, or 12A is observed.
<b>Source</b>	Monoclonal Rat IgG <sub>1</sub> Clone # 662714
<b>Purification</b>	Protein A or G purified from hybridoma culture supernatant
<b>Immunogen</b>	Mouse myeloma cell line NS0-derived recombinant mouse CD302/CLEC13A Met1-Cys165 Accession # Q9DCG2
<b>Formulation</b>	Lyophilized from a 0.2 µm filtered solution in PBS with Trehalose. See Certificate of Analysis for details. *Small pack size (-SP) is supplied as a 0.2 µm filtered solution in PBS.

## APPLICATIONS

**Please Note:** Optimal dilutions should be determined by each laboratory for each application. *General Protocols* are available in the *Technical Information* section on our website.

	<b>Recommended Concentration</b>	<b>Sample</b>
<b>Western Blot</b>	2 µg/mL	See Below

## DATA



## PREPARATION AND STORAGE

<b>Reconstitution</b>	Sterile PBS to a final concentration of 0.5 mg/mL.
<b>Shipping</b>	The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below. *Small pack size (-SP) is shipped with polar packs. Upon receipt, store it immediately at -20 to -70 °C
<b>Stability &amp; Storage</b>	<b>Use a manual defrost freezer and avoid repeated freeze-thaw cycles.</b> <ul style="list-style-type: none"> <li>● 12 months from date of receipt, -20 to -70 °C as supplied.</li> <li>● 1 month, 2 to 8 °C under sterile conditions after reconstitution.</li> <li>● 6 months, -20 to -70 °C under sterile conditions after reconstitution.</li> </ul>

## BACKGROUND

CD302, also known as CLEC13A and DCL-1, is a 35 kDa type I transmembrane glycoprotein in the C-type lectin family. CD302 is expressed on monocytes, macrophages, dendritic cells, and granulocytes. It contains one carbohydrate binding domain in its extracellular region and can mediate antigen uptake. In human Hodgkin's disease, a fusion protein containing portions of CD302 and the ECD of DEC-205 is expressed on Reed-Sternberg cells. Within the ECD, mouse CD302 shares 82% and 92% aa sequence identity with human and rat CD302, respectively.