

# Anti-CLEC2 [17D9]

**Catalogue number:** 151581

**Sub-type:** Primary antibody

**Images:**

## Contributor

**Inventor:** Caetano Reis e Sousa

**Institute:** Cancer Research UK, London Research Institute: Lincoln's Inn Fields

**Images:**

## Tool details

**\*FOR RESEARCH USE ONLY**

**Name:** Anti-CLEC2 [17D9]

**Alternate name:**

CancerTools.org

**Class:** Monoclonal  
**Conjugate:** Unconjugated  
**Description:** Monoclonal antibody used to study the expression pattern of CLEC-2 receptor.  
**Purpose:**  
**Parental cell:**  
**Organism:**  
**Tissue:**  
**Model:**  
**Gender:**  
**Isotype:** IgG2b  
**Reactivity:** Mouse  
**Selectivity:**  
**Host:** Rat  
**Immunogen:** RBL-2H3 cells stably expressing HA-tagged mouse CLEC-2  
**Immunogen UNIPROT ID:** Q9P126  
**Sequence:**  
**Growth properties:**  
**Production details:**  
**Formulation:**  
**Recommended controls:**  
**Bacterial resistance:**  
**Selectable markers:**  
**Additional notes:**

## Target details

**Target:** Ctype lectin-like receptor (CLEC2)

**Target alternate names:**

**Target background:** CLEC-2 belongs to a sub-family of C-type lectin receptors that signal through Syk via a single YxxL motif (hemITAM). CLEC-2 is highly expressed on resting platelets and megakaryocytes and at a lower level on several hematopoietic cells including monocytes, macrophages, dendritic cells, and granulocytes. CLEC-2 acts as a receptor for the platelet-aggregating snake venom protein rhodocytin. Rhodocytin binding leads to tyrosine phosphorylation and this promotes the binding of spleen tyrosine kinase (Syk) and initiation of downstream tyrosine phosphorylation events and activation of PLC-gamma-2. CLEC-2 also functions as an activation receptor on monocytes and neutrophils to induce phagocytosis and proinflammatory cytokine production. This antibody can be used as a selective agonist of CLEC-2 and also to study its expression pattern.

**Molecular weight:**

**Ic50:**

## Applications

**Application:** FACS ; WB

**Application notes:**

## Handling

**Format:** Liquid

**Concentration:** 1 mg/ml

**Passage number:**

**Growth medium:**

**Temperature:**

**Atmosphere:**

**Volume:**

**Storage medium:**

**Storage buffer:** PBS with 0.02% azide

**Storage conditions:** Store at -20° C frozen. Avoid repeated freeze / thaw cycles

**Shipping conditions:** Shipping at 4° C

## Related tools

**Related tools:** Anti-CLEC2 [AYP1]

## References

**References:** Rowe et al. 1982. Int J Cancer. 29(4):373-81. PMID: 6282762. ; Monoclonal antibodies to Epstein-Barr virus-induced, transformation-associated cell surface antigens: binding patterns and effect upon virus-specific T-cell cytotoxicity.