

# Anti-CR1 [E11]

**Catalogue number:** 151087

**Sub-type:** Primary antibody

**Images:** [https://res.cloudinary.com/ximbio/image/upload/c\\_fit/5d5b6f53-f13a-4f59-b12e-829b79749bd8.jpg](https://res.cloudinary.com/ximbio/image/upload/c_fit/5d5b6f53-f13a-4f59-b12e-829b79749bd8.jpg)

## Contributor

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## Tool details

**\*FOR RESEARCH USE ONLY**

**Name:** Anti-CR1 [E11]

**Alternate name:**

**Class:** Monoclonal

**Conjugate:** Unconjugated

**Description:** Monoclonal antibody which binds to a specific epitope in complement receptor 1 without effecting complement activity, with use in CR1 quantitation.

**Purpose:**

**Parental cell:**

**Organism:**

**Tissue:**

**Model:**

**Gender:**

**Isotype:** IgG1

**Reactivity:** Human

**Selectivity:**

**Host:** Mouse

**Immunogen:** Acute monocytic leukaemia cells and normal blood monocytes.

**Immunogen UNIPROT ID:** P17927

**Sequence:**

**Growth properties:**

**Production details:**

**Formulation:**

**Recommended controls:**

**Bacterial resistance:**

**Selectable markers:**

**Additional notes:**

## Target details

**Target:** Complement receptor 1 (CR1, CD35)

**Target alternate names:**

**Target background:** CR1 is found on many leucocytes and binds C3b and C4b. E11 detects CR1 on most leukemic monoblasts, granulocytes and may be used to define B cell lymphomas. E11 binds to a 222kDa antigen. This antibody is specific for a binding site in CR1 which is distal from the C3b binding site. As such CR1 activity is not blocked. CR1 is a cell membrane-bound, monomeric glycoprotein and its primary function is to serve as the cellular receptor for C3b and C4b within the complement system. CR1 is present on neutrophils, eosinophils, monocytes, B-cells, some NK-cells, erythrocytes, myeloid leukaemia's, follicular dendritic reticulum cells and is negative on basophils. Anti-CR1 E11 is useful for identifying CR1 on various cells in tissue sections, and for quantitating CR1 on erythrocytes and neutrophils.

**Molecular weight:** 130 kDa

**Ic50:**

## Applications

**Application:** IHC ; IP

**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

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## References

**References:** Recapitulation of tumor heterogeneity and molecular signatures in a 3D brain cancer model with decreased sensitivity to histone deacetylase inhibition. ; Smith et al. 2012. PLoS One. 7(12):e52335. PMID: 23272238. ; Bchmann-Mller et al. 2009. Dev Biol. 330(2):329-38. PMID: 19361496. ; Multiple lineage-specific roles of Smad4 during neural crest development. ; Li et al. 2005. Genesis. 41(2):73-80. PMID: 15682388. ; Rhodopsin-iCre transgenic mouse line for Cre-mediated rod-specific gene targeting. ; Durbin et al. 1987. J Immunol Methods. 97(1):19-27. PMID: 3102611. ; A sensitive micro-immunoassay using beta-galactosidase/anti-beta-galactosidase complexes.

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