

## Anti-CD15 [BRA-4F1] Standard Size Ab01536-10.3

This antibody was created using our proprietary Fc Silent™ engineered Fc domain containing key point mutations that abrogate binding to Fc gamma receptors.

This chimeric human antibody was made using the variable domain sequences of the original Mouse IgM format, for improved compatibility with existing reagents, assays and techniques.

**Isotype and Format:** Human IgG1, Fc Silent™, Kappa

**Clone Number:** BRA-4F1

**Alternative Name(s) of Target:** sLeX; Lewis X antigen; Leu-M1; Sialyl-Lewis X; SSEA-1; sialyl LeX

**UniProt Accession Number of Target Protein:**

**Published Application(s):** IP, FC, IF, IHC

**Published Species Reactivity:** Human

**Immunogen:** This antibody was raised by immunizing mice with human CD15.

**Specificity:** This antibody is specific for CD15 (Appelmek. et al, 1996, PMID:8675304). It also shows crossreactivity with the CD15 antigen from other species.

**Application Notes:** This antibody has been used in flow cytometry (Appelmek. et al, 1996). The antibody has been shown to be useful in immunohistochemistry (Appelmek. et al, 1996). The antibody is utilized in immunoprecipitation (Akin. et al, 2000). Immunofluorescence is a proven application of this antibody (Vilella. et al, 2003). CD15 is expressed in Reed-Sternberg cells, which are a sign of Hodgkin's lymphoma, and thus the antibody can be used in immunohistochemistry to detect this kind of cancer (Trillo-Tinoco. et al, 2019). Finally, BRA-4F1 can be used in fertility research as the CD15 antigen is a molecule that is necessary for a sperm cell to recognize and fertilize an egg cell.

**Antibody First Published in:** Appelmek. et al Potential Role of Molecular Mimicry between Helicobacter pylori Lipopolysaccharide and Host Lewis Blood Group Antigens in Autoimmunity INFECTION AND IMMUNITY, June 1996, p. 2031-2040 [PMID:8675304](#)

**Note on publication:** The article describes the binding of the antibody to CD15 compared to another anti-CD15 antibody.

## Product Form

**Size:** 200 µg Purified antibody.

**Purification:**

Protein A affinity purified

**Supplied In:** PBS with 0.02% Proclin 300.

**Storage Recommendation:** Store at 4°C for up to 3 months. For longer storage, aliquot and store at -20°C.

**Concentration:** 1 mg/ml.

Important note – This product is for research use only. It is not intended for use in therapeutic or diagnostic procedures for humans or animals.