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## Product Datasheet

### CD257 antibody (orb1152486)

**Description**

Rabbit monoclonal antibody to CD257

**Species/Host**

Human

**Reactivity**

Human, Monkey, Rabbit

**Conjugation**

Unconjugated

**Tested Applications**

ELISA, FC, Functional Studies, IF, IP, WB

**Immunogen**

Monoclonal antibodies were generated by immunizing human immunoglobulin transgenic mice with soluble human BAFF (amino acids 133-285). Eight mice producing serum antibody titers to human BAFF were injected intravenously with 10 µg human BAFF in phosphate buffered saline. The spleen was harvested 3 days later from each mouse and fused with myeloma cells. 20 Hybridomas were tested for specific binding to human BAFF and to make sure they were expressing human immunoglobulin heavy and light chains by enzyme-linked immunosorbent assay (ELISA). The hybridoma producing the antibody that eventually became tabalumab was a human IgG1 isotype. The antibody was then engineered to a human IgG4 isotype for complete neutralization of BAFF without depletion of BAFF-expressing cells.

**Target**

CD257 (BAFF)

**Preservatives**

PBS with 0.02% Proclin 300.

**Concentration**

1 mg/ml

**Storage**

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

**Note**

For research use only

**Application notes**

Tabalumab has been tested in patients with systemic lupus erythematosus (Merrill 2015) and in patients with active rheumatoid arthritis with an inadequate response to TNF inhibitors (Genovese 2013).

**Isotype**

IgG

**Clonality**

Monoclonal

**Purity**

Purified

**Uniprot ID**
[Q9Y275](https://www.uniprot.org/entry/Q9Y275)