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## Product Datasheet

### CD25 antibody (orb348865)

**Description**

Human monoclonal antibody to CD25

**Species/Host**

Human

**Reactivity**

Human, Primate

**Conjugation**

Unconjugated

**Tested Applications**

Blocking, FC, IF, IHC, WB

**Immunogen**

Basiliximab was prepared by immunizing BALB/c mice with CTC 16 cells.

**Target**

IL-2R alpha (CD25)

**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**

Basiliximab is derived from the murine anti-Tac antibody. For the clinically used format, the variable regions from this antibody were grafted onto the sequence of the human IgG1k constant regions. Basiliximab binding to CD25 competitively blocks the interaction of IL-2R with its ligand IL-2 on the surface of T cells. Blocking this interaction prevents T cell replication and T cell-mediated B cell activation. Basiliximab binding suppresses the immune system inhibits the pathway activating the cellular immune response to allograft rejection. IL-2 signalling suppression can additionally prevent acute graft-versus-host disease, autoimmune disorders and malignancies such as T cell leukemias (Binder et al, 2007). Basiliximab has also been used in FC, IF, IHC and WB studies, which enables the detection of CD25.

**Isotype**

IgG1

**Clonality**

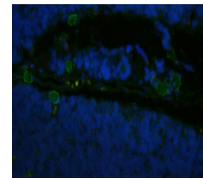
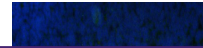
Monoclonal

**Purity**

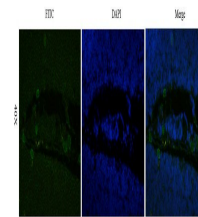
Purified

**Uniprot ID**
**P01589**
**Expiration Date**

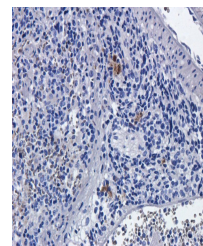
12 months from date of receipt.



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