

## 45-1094: Mouse Monoclonal Antibody to Human OX40 (Clone : OX.E12) (Discontinued)

<b>Clonality :</b>	Monoclonal
<b>Clone Name :</b>	OX.E12
<b>Application :</b>	ELISA
<b>Format :</b>	Purified
<b>Isotype :</b>	Mouse IgG1,Kappa
<b>Immunogen Information :</b>	Recombinant human OX40-His

### Description

OX40 (CD134; TNFRSF4) is a T cell co-stimulatory molecule of the TNF receptor superfamily that coordinates with other co-stimulators (CD28, CD40, CD30, CD27 and 4-1BB) to manage the activation of the immune response. OX40 is up-regulated on CD4+ and CD8+ T cells upon engagement of the TCR by antigen presenting cells along with co-stimulation by CD40-CD40 Ligand and CD28-B7. OX40 Ligand is primarily expressed on antigen presenting cells. OX40 Ligand engagement of OX40 on activated CD4+ T cells results in increased T cell survival, proliferation, and cytokine production. It also inhibits the conversion of effector T cells into immunosuppressive regulatory T cells (Tregs) and can promote the maintenance of and recall response in memory T cells. OX40 is constitutively expressed on Tregs and enhances the sensitivity of Tregs to IL-2, thus promoting Treg proliferation. OX40 has also been shown to decrease the cells' immunosuppressive activity on effector T cells. OX40-OX40 Ligand signaling is involved in allergic airway inflammation, graft-versus-host disease and autoimmune disease. Mutations in OX40 and OX40 Ligand are associated with cardiovascular disease. Human OX40 Antibody (OX.E12), mAb, Mouse is produced from a hybridoma resulting from the fusion of SP2/0 myeloma and B-lymphocytes obtained from a mouse immunized with recombinant human OX40-His.

### Product Info

<b>Amount :</b>	40 µg
<b>Purification :</b>	Protein A chromatography
<b>Content :</b>	0.5 mg/ml, lyophilized with PBS, pH 7.4, containing 0.02% sodium azide.
<b>Storage condition :</b>	The antibody is stable in lyophilized form if stored at -20°C or below. The reconstituted antibody can be stored for 2-3 weeks at 2-8°C. For long term storage, aliquot and store at -20°C or below. Avoid repeated freezing and thawing cycles.

### Application Note

**ELISA detection:** 0.01-0.1 µg/ml  
**ELISA blocking:** 10-50 µg/ml

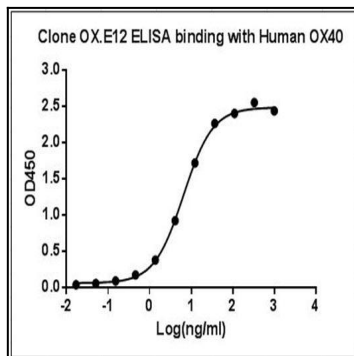


Figure-1 : ELISA binding of OX40 Antibody (Clone: OX.E12) with Human OX40 recombinant protein, Coating antigen: OX40-His at 0.5  $\mu$ g/ml, Human OX40 Antibody (Clone: OX.E12) dilution start from 1000 ng/ml, EC50= 6.538 ng/ml