



# Human Anti-Human OX40L (Oxelumab) Monoclonal Antibody, clone R4930 [Biosimilar] (CABT-Z641H)

This product is for research use only and is not intended for diagnostic use.

## PRODUCT INFORMATION

<b>Product Overview</b>	Biosimilar Recombinant Human Monoclonal Antibody
<b>Specificity</b>	This non-therapeutic biosimilar antibody uses the same variable region sequence as the therapeutic antibody Oxelumab. Clone R4930 binds to Human OX40L (TNFSF4).
<b>Immunogen</b>	Human OX40L
<b>Isotype</b>	IgG1, κ
<b>Source/Host</b>	Human
<b>Species Reactivity</b>	Human
<b>Clone</b>	R4930
<b>Purification</b>	Protein A or G purified
<b>Conjugate</b>	Functional Grade
<b>Applications</b>	BL, FA, FC Recommended concentration: FC: ≤ 0.25 µg per 10 <sup>6</sup> cells in a volume of 100 µl.
<b>Format</b>	Liquid
<b>Concentration</b>	Lot specific
<b>Size</b>	50 µg, 100 µg, 1 mg, Bulk

<b>Buffer</b>	0.01 M phosphate buffered saline (PBS) pH 7.2 - 7.4, 150 mM NaCl with no carrier protein, potassium, calcium or preservatives added. Endotoxin Level $\leq$ 1.0 EU/mg as determined by the LAL method
<b>Preservative</b>	None
<b>Storage</b>	Functional grade biosimilar antibodies may be stored sterile as received at 2-8°C for up to one month. For longer term storage, aseptically aliquot in working volumes without diluting and store at -80°C. Avoid Repeated Freeze Thaw Cycles.
<b>Ship</b>	Wet ice

## BACKGROUND

<b>Introduction</b>	OX40L is expressed in various cell types including antigen presenting cells, T-cells, vascular endothelial cells, mast cells, and natural killer cells. Oxelumab is a human monoclonal antibody designed for the treatment of autoimmune diseases. Oxelumab recognizes human OX40L (TNFSF4). OX40L is a member of the tumor necrosis family and is the ligand for OX40. The OX40/OX40L interaction generates an optimal T cell response and plays a significant role in determining the amount of memory T-cells remaining after the immune response. Therapeutic treatments with antibodies against TNFSF can sometimes result in serious side effects.
<b>Keywords</b>	TNFSF4;tumor necrosis factor (ligand) superfamily, member 4;tumor necrosis factor ligand superfamily member 4;OX40 ligand;atherosclerosis 1;tax-transcriptionally activated glycoprotein 1 ligand

## GENE INFORMATION

<b>Gene Name</b>	TNFSF4
<b>Entrez Gene ID</b>	<a href="#">7292</a>
<b>UniProt ID</b>	<a href="#">P23510</a>