



# Rabbit Anti-Human B7-H6 Chimeric Monoclonal Antibody, clone 17B1.3 (CABT-Z749R)

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

## PRODUCT INFORMATION

<b>Product Overview</b>	This chimeric rabbit antibody was made using the variable domain sequences of the original Mouse IgG1 format.
<b>Specificity</b>	17B1.3 reacted with human tumour cell lines constitutively expressing B7-H6 such as HeLa cells. Fab 17B1.3 does not interfere with the binding of B7-H6 to NKp30, but nevertheless blocks NK cell activation.
<b>Immunogen</b>	Extracellular domain of human B7-H6
<b>Isotype</b>	IgG, κ
<b>Source/Host</b>	Rabbit
<b>Species Reactivity</b>	Human
<b>Clone</b>	17B1.3
<b>Purification</b>	Protein A purified
<b>Conjugate</b>	Unconjugated
<b>Applications</b>	IF, FC
<b>Format</b>	Liquid
<b>Concentration</b>	Lot specific
<b>Size</b>	200 µg
<b>Buffer</b>	PBS with 0.02% Proclin 300.

<b>Storage</b>	Store at -20°C long term. Avoid freeze / thaw cycle. To ensure optimal storage and prevent microbial contamination, only open and dispense under sterile conditions.
<b>Ship</b>	Wet ice

## BACKGROUND

<b>Introduction</b>	B7-H6 (also known as B7 homolog 6 or Natural cytotoxicity triggering receptor 3 ligand 1) is a single-pass membrane protein encoded by the NCR3LG1 or B7H6 gene (Entrez Gene ID 374383) in human. B7-H6 belongs to the B7 family of structurally related cell-surface ligands, which bind to receptors on lymphocytes that regulate immune responses. The natural cytotoxicity receptor NCR3/NKp30 is involved in NK-cell-mediated killing of various tumor cell lines. B7-H6 is identified as the NKp30 ligand on cancer cells, while normal tissues were reported to lack B7-H6 transcripts. Decreased NKp30 expression is reported to correlate with poor prognosis and survival among patients with acute myeloid leukemia (AML). Class I histone deacetylases HDAC2 & HDAC3 are reported to be involved in B7-H6 transcription activation, and HDAC inhibitors are found to impair tumor cell recognition by NK cells.
<b>Keywords</b>	NCR3LG1;natural killer cell cytotoxicity receptor 3 ligand 1;B7H6;DKFZp686O24166;natural cytotoxicity triggering receptor 3 ligand 1

## GENE INFORMATION

<b>Gene Name</b>	NCR3LG1
<b>Entrez Gene ID</b>	<a href="#">374383</a>
<b>UniProt ID</b>	<a href="#">Q68D85</a>