



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

Product Overview	This chimeric rabbit antibody was made using the variable domain sequences of the original Mouse IgG1 format.
Specificity	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.
Immunogen	Extracellular domain of human B7-H6
Isotype	IgG, κ
Source/Host	Rabbit
Species Reactivity	Human
Clone	17B1.3
Purification	Protein A purified
Conjugate	Unconjugated
Applications	IF, FC
Format	Liquid
Concentration	Lot specific
Size	200 µg
Buffer	PBS with 0.02% Proclin 300.

Storage	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.
Ship	Wet ice

BACKGROUND

Introduction	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.
Keywords	NCR3LG1;natural killer cell cytotoxicity receptor 3 ligand 1;B7H6;DKFZp686O24166;natural cytotoxicity triggering receptor 3 ligand 1

GENE INFORMATION

Gene Name	NCR3LG1
Entrez Gene ID	374383
UniProt ID	Q68D85
