

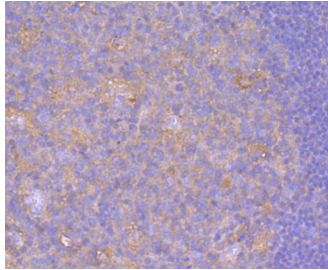
Anti-CD80 Antibody (2K870)

Product Details

Ig Type:	IgG
Reactivity:	Human
Conjugation:	Unconjugated
Molecular Weight:	Theoretical: 60 kDa.
Clone:	2K870
Purification:	ProA affinity purified

Applications

Verified Activity: 1. Immunohistochemical analysis of paraffin-embedded human tonsil tissue using anti-CD80 antibody. Counter stained with hematoxylin.



Application:	IHC,WB
Recommended	WB: 1:500-1000; IHC: 1:50-100

Properties

Stability & Storage:	Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles.
Shipping:	Shipping with blue ice.

Antigen Details

Immunogen:	Recombinant Protein
Uniprot ID:	P33681
Synonyms:	B7;CD28LG1;CD80;B71;B7.1;B7-1;BB1;LAB7;CD80 molecule

Research Background

T cell proliferation and lymphokine production are triggered by occupation of the TCR by antigen, followed by a costimulatory signal that is delivered by a ligand expressed on antigen presenting cells. The B7-related cell surface proteins CD80 (B7-1) and CD86 (B7-2) are expressed on antigen presenting cells, bind the homologous T cell receptors CTLA-4 (cytotoxic T lymphocyte-associated protein-4) and CD28 and trigger costimulatory signals for optimal T cell activation. CTLA-4 shares 31% overall amino acid identity with CD28 and it has been proposed that CD28 and CTLA-4 are functionally redundant. SLAM is a novel receptor on T cells that, when engaged, potentiates T cell expansion in a CD28-independent manner. B7, also designated BB1, is another ligand or counterreceptor for CD28 and CTLA-4 that is expressed on the antigen-presenting cell.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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