

ARG40730 anti-CD80 antibody

Package: 50 µg
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes CD80
Tested Reactivity	Hu, Rat
Tested Application	IHC-P
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	CD80
Species	Human
Immunogen	Recombinant protein corresponding to V35-L244 of Human CD80.
Conjugation	Un-conjugated
Alternate Names	B7.1; CTLA-4 counter-receptor B7.1; CD28LG; T-lymphocyte activation antigen CD80; B7-1; CD28LG1; B7; LAB7; Activation B7-1 antigen; CD antigen CD80; BB1

Application Instructions

Application table	<table><thead><tr><th>Application</th><th>Dilution</th></tr></thead><tbody><tr><td>IHC-P</td><td>0.25 - 1 µg/ml</td></tr></tbody></table>	Application	Dilution	IHC-P	0.25 - 1 µg/ml
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IHC-P	0.25 - 1 µg/ml				
Application Note	<p>IHC-P: Antigen Retrieval: Heat mediation was performed in Citrate buffer (pH 6.0, epitope retrieval solution) for 20 min.</p> <p>* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.</p>				

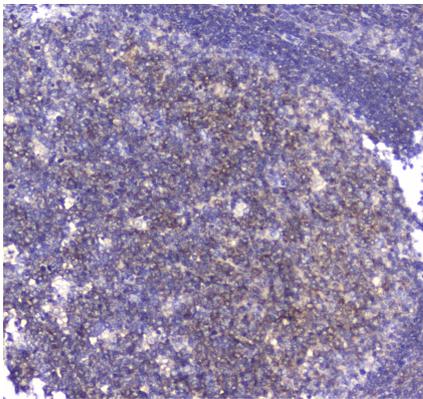
Properties

Form	Liquid
Buffer	0.2% Na ₂ HPO ₄ , 0.9% NaCl, 0.05% Sodium azide and 4% Trehalose.
Preservative	0.05% Sodium azide
Stabilizer	4% Trehalose
Concentration	0.5 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

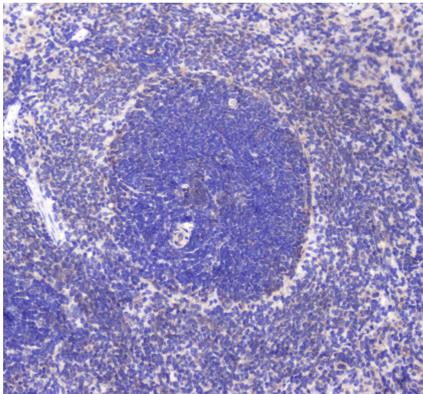
Gene Symbol	CD80
Gene Full Name	CD80 molecule
Background	The protein encoded by this gene is a membrane receptor that is activated by the binding of CD28 or CTLA-4. The activated protein induces T-cell proliferation and cytokine production. This protein can act as a receptor for adenovirus subgroup B and may play a role in lupus neuropathy. [provided by RefSeq, Aug 2011]
Function	Involved in the costimulatory signal essential for T-lymphocyte activation. T-cell proliferation and cytokine production is induced by the binding of CD28, binding to CTLA-4 has opposite effects and inhibits T-cell activation. [UniProt]
Calculated Mw	33 kDa
Cellular Localization	Membrane; Single-pass type I membrane protein. [UniProt]

Images



ARG40730 anti-CD80 antibody IHC-P image

Immunohistochemistry: Paraffin-embedded Human tonsil tissue. Antigen Retrieval: Heat mediation was performed in Citrate buffer (pH 6.0, epitope retrieval solution) for 20 min. The tissue section was blocked with 10% goat serum. The tissue section was then stained with ARG40730 anti-CD80 antibody at 1 µg/ml, overnight at 4°C.



ARG40730 anti-CD80 antibody IHC-P image

Immunohistochemistry: Paraffin-embedded Rat spleen tissue. Antigen Retrieval: Heat mediation was performed in Citrate buffer (pH 6.0, epitope retrieval solution) for 20 min. The tissue section was blocked with 10% goat serum. The tissue section was then stained with ARG40730 anti-CD80 antibody at 0.5 µg/ml, overnight at 4°C.