

## TECHNICAL DATA SHEET

**In Vivo Ready™ Anti-Human CD80 (B7-1) (2D10.4)**

Catalog Number: 40-0809

## PRODUCT INFORMATION

**Contents:** In Vivo Ready™ Anti-Human CD80 (B7-1) (2D10.4)**Isotype:** Mouse IgG1, kappa**Concentration:** 2.0 mg/mL**Clone:** 2D10.4**Reactivity:** Human**Use By:** 12 months from date of receipt**Storage Conditions:** 2-8°C**Endotoxin Level:** Less than or equal to 0.01 EU/ug, as determined by the LaL assay**Formulation:** 10 mM NaH<sub>2</sub>PO<sub>4</sub>, 150 mM NaCl, pH7.2

## DESCRIPTION

The 2D10.4 antibody reacts with human CD80, a 60 kDa glycoprotein that is a member of the Ig superfamily. CD80, also known as B7-1, is a ligand for the T cell receptors CD28 and CTLA-4 (CD152). Along with CD86, CD80 plays a major role in regulating the activation of T cells. CD80 is expressed by activated antigen presenting cells including B cells, macrophages, and dendritic cells.

## PREPARATION &amp; STORAGE

This monoclonal antibody preparation was purified from tissue culture supernatant via affinity chromatography. For In Vivo Ready™ (IVR) products, each preparation is also evaluated for endotoxin levels using the LAL assay. It is recommended to store the product undiluted at 4°C. Do not freeze.

## APPLICATION NOTES

Tonbo Biosciences tests all of our antibodies by flow cytometry. Citations may be provided as a resource for additional applications that have not been validated by Tonbo Biosciences - please consult Materials and Methods sections for additional details about the use of any product in these publications.

## REFERENCES

Linsley PS, Brady W, Urnes M, Grosmaire LS, Damle NK, Ledbetter JA. 1991. J Exp Med. Sep1;174(3):561-569. Freeman GJ, Gray GS, Gimmi CD, Lombard DB, Zhou LJ, White M, Fingerroth JD, Gribben JG, Nadler LM. 1991. J Exp Med. Sep 1;174(3):625-631. Azuma M, Yssel H, Phillips JH, Spits H, Lanier LL. 1993. J Exp Med. Mar1;177(3):845-850. Linsley PS, Bradshaw J, Greene J, Peach R, Bennett KL, Mittler RS. 1996. Immunity. Jun;4(6):535-543.

Tonbo Biosciences tests all antibodies by flow cytometry. Citations are provided as a resource for additional applications that have not been validated by Tonbo Biosciences. Please choose the appropriate format for each application and consult Materials and Methods sections for additional details about the use of any product in these publications.

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