ABSTRACT

HUMANIZED ANTI-PACAP ANTIBODIES AND USES THEREOF

The present invention is directed to antibodies and antigen binding fragments thereof having binding specificity for PACAP. The antibodies and antigen binding fragments thereof comprise the sequences of the VH, VL, and CDR polypeptides described herein, and the polynucleotides encoding them. Antibodies and antigen binding fragments described herein bind to and/or compete for binding to the same linear or conformational epitope(s) on human PACAP as an anti-PACAP antibody. The invention contemplates conjugates of anti-PACAP antibodies and binding fragments thereof conjugated to one or more functional or detectable moieties. Methods of making said anti-PACAP antibodies and antigen binding fragments thereof are also contemplated. Other embodiments of the invention contemplate using anti-PACAP antibodies, and binding fragments thereof, for the diagnosis, assessment, and treatment of diseases and disorders associated with PACAP and conditions where antagonism of PACAP-related activities, such as vasodilation, photophobia, mast cell degranulation, and/or neuronal activation, would be therapeutically beneficial.

FIGURE 1A