

Calbindin D28k

Cat.No. 214-0P; control protein, 100 µg protein (lyophilized)

Data Sheet

Reconstitution/Storage	100 µg protein, lyophilized. For reconstitution add 100 µl H ₂ O to get a 1mg/ml solution in TBS. Then aliquot and store at -20°C until use.
Immunogen	Recombinant protein corresponding to AA 3 to 251 from human CalbindinD28k (UniProt Id: P05937)
Recommended dilution	Optimal concentrations should be determined by the end-user.
matching antibodies	214 002, 214 003, 214 004, 214 005, 214 006, 214 011, 214 011BT, 214 011C3, 214 011C5
Remarks	This control protein consists of the recombinant protein (aa 3 - 251 of human calbindin D28k) that has been used for immunization. It has been tested in preadsorption experiments and blocks efficiently and specifically the corresponding signal in Western blots. The amount of protein needed for efficient blocking depends on the titer and on the affinity of the antibody to the antigen.

TO BE USED IN VITRO / FOR RESEARCH ONLY
NOT TOXIC, NOT HAZARDOUS, NOT INFECTIOUS, NOT CONTAGIOUS

Two isoforms of the vitamin D-dependent Ca-binding proteins have been described so far: **calbindin D28k**, also referred to as CALB 1, D-28k, and CAB 27, and calbindin D29k, also known as calretinin. These proteins are expressed in cells that have to handle a high calcium influx such as brain, bone, teeth, inner ear and others. Calbindins are believed to regulate cellular activity by suppressing or buffering intracellular calcium

Selected General References

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