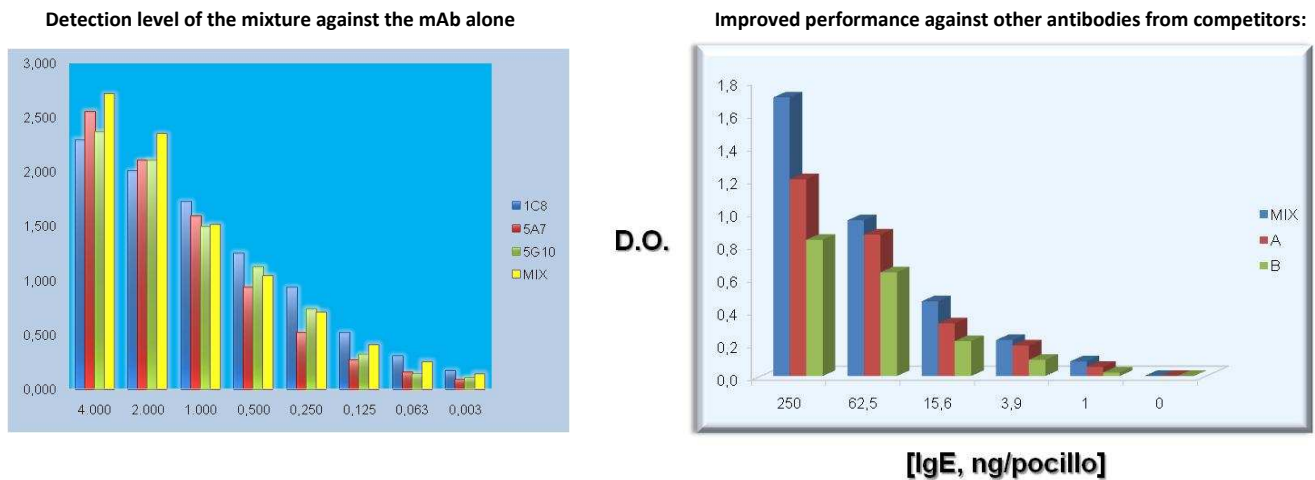




## PREPARATION AND STUDY OF OLIGOCLONAL:

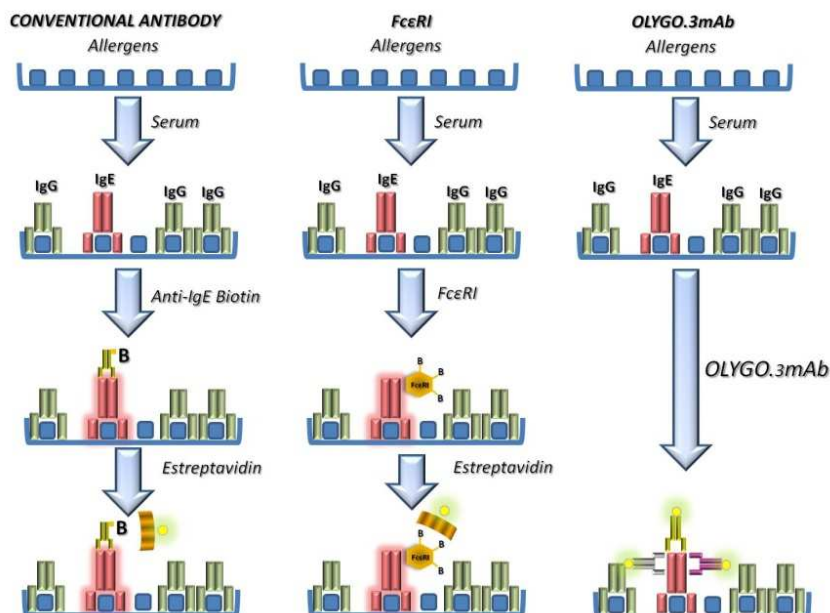
Later tests were made to ensure that the mixture of three monoclonal antibodies recognizing different epitopes generate a synergistic effect rather than a competitive effect between them, as shown in the figure below:



These antibodies labeled with peroxidase for use in ELISA which is something new and not done yet. This is an advantage over other methods because it avoids a step in the technique with the consequent reduction of the possibility of errors in handling and washing, improving the reproducibility of the technique.

As a summary of the advantages of **OLYGO.3mAb<sup>®</sup>**:

- **100% specificity for canine IgE, no cross-reactivity with IgM or IgG, absence of false positives**
- **High sensitivity (99.3%), the three monoclonal antibodies recognize different epitopes (mixture).**
- **We have a reagent inexhaustible and constant in its characteristics.**
- **It works by detecting specific dog IgE in routine improving any existing technology, with an exclusive sensitivity and specificity.**



## COMUNICACIONES CIENTÍFICAS

- **“Production of a recombinant canine IgE molecule” (2010) Vet Dermatol 21(5): 536** Alvarez J. and Zalve V. 24th annual Congress of the ECVD-ESVD (September 2010, Firenze, Italy)
- **“Generation and characterization of a panel of specific monoclonal antibodies against canine IgE using recombinant immunogens”** García-Gallo Pinto, M., Llorente Gómez, M.; Martín López, L.; Kremer Barón, L., Mas Fontao, A., Álvarez Álvarez, J. XXVIII Annual Congress of AMVAC (March 2011, Madrid, Spain)
- **“Production of an oligoclonal antibody to assay specific canine IgE”** García-Gallo Pinto, M., Llorente Gómez, M.; Martín López, L.; Kremer Barón, L., Mas Fontao, A., Álvarez Álvarez, J. 25th annual Congress of the ECVD-ESVD (September 2011, Brussels, Belgium)