Anti-haloperidol [Clone A] Standard Size Ab01413-10.3

This antibody was created using our proprietary Fc Silent™ engineered Fc domain containing key point mutations that abrogate binding to Fc gamma receptors.

This chimeric human antibody was made using the variable domain sequences of the original Mouse IgG format, for improved compatibility with existing reagents, assays and techniques.

Isotype and Format: Human IgG1, Fc Silent™, Kappa
Clone Number: Clone A
Alternative Name(s) of Target: Haldol; 185(2)-1; A; Einalon S; Eukystol; Aloperidin; Bioperidolo; Brotopon; Dozic; Duraperidol; Halosten; Keselan; Linton; Peluces; Serenace; Sigaperidol
UniProt Accession Number of Target Protein:
Published Application(s): RIA
Published Species Reactivity: n/a
Immunogen: This antibody was raised against a haloperidol-BSA conjugate in which the drug was linked to the protein carrier via a succinic acid linker arm through the tertiary alcohol function on the piperidine ring (succinic acid conjugate).
Specificity: Thi antibody recognises haloperidol which is one of the major antipsychotic drugs. It is a D2 dopamine receptor antagonist and is widely used in treatment of schizophrenia, psychosis and mania. Antibody A prefers a folded confirmation of haloperidol and binds to a different site on the molecule than anti-haloperidol antibody D.
Application Notes: RIA: radioligand binding assays were performed to asses binding affinity of the anti-haloperidol A antibody (Kd=3.3 nM). (Sherman et al., 1986).
Antibody First Published in: Bolger et al. Preparation and characterization of antisera and monoclonal antibodies to haloperidol. Immunol Invest. 1985 Dec;14(6):523-40. PMID:2420719
Note on publication: This article describes the preparation of the monoclonal antibodies which specifically bind haloperidol, among them this 258(2)-i antibody (later renamed as anti-haloperidol antibody D).

Product Form

Size: 200 µg Purified antibody.
Purification:

Protein A affinity purified
Supplied In: PBS with 0.02% Proclin 300.
Storage Recommendation: Store at 4ºC for up to 3 months. For longer storage, aliquot and store at -20ºC.
Concentration: 1 mg/ml.

Important note – This product is for research use only. It is not intended for use in therapeutic or diagnostic procedures for humans or animals.