

Mouse Anti Human 17-Beta-Estradiol Monoclonal Antibody

Cat.No:DMABT-49063MH

Lot. No. (See product label)

PRODUCT INFORMATION

Storage	Store at +4 oC or at -20 oC if preferred.Storage in frost-free freezers is not recommended.This product should be stored undiluted. Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use.
Clone	5T53
Isotype	IgG1
Immunogen	17-beta-estradiol conjugated to Bovine Serum Albumin at position 6.
Format	Purified IgG - liquid
Buffer	Phosphate buffered saline
Applications	ELISA,
Preservative	0.09% Sodium Azide (NaN ₃)
Host	Mouse
Shelf Life	18 months from date of despatch.
species	Human
Conjugation	N/A
Dilution	ELISA: 1/50 - 1/500
Protein Concentration	1.0mg/ml

Background

Introduction	17?-Estradiol belongs to the group of natural sexual hormones. The concentration of this hormone in cattle plasma is very low. Calves' plasma contains ca. 1-2 pg/mL and plasma of adult animals approximately 1-5 pg/mL. Only in plasma of pregnant cows or animals treated illegally with hormones concentrations ranging from 100 to 1000 pg/mL are found. In the EU currently a MRL of 40 pg/mL is valid.
Keywords	17?-Estradiol; E2; ethynyl Estradiol; Oestradiol; Estradiol