



# Mouse Anti-Rat FcRn heavy chain heterodimers Monoclonal antibody, clone 1G3 (CABT-L4482)

This product is for research use only and is not intended for diagnostic use.

## PRODUCT INFORMATION

<b>Product Overview</b>	The 1G3 antibody was raised against soluble rat neonatal Fc receptor (FcRn) in an adjuvant.
<b>Target</b>	Rat FcRn heavy chain heterodimers
<b>Immunogen</b>	Purified soluble FcRn
<b>Isotype</b>	IgG1
<b>Source/Host</b>	Mouse
<b>Species Reactivity</b>	Rat
<b>Clone</b>	1G3
<b>Purification</b>	Protein G purified. Purity>95%. Determined by SDS-PAGE
<b>Conjugate</b>	Functional Grade
<b>Applications</b>	IF, ELISA, FC
<b>Molecular Weight</b>	150 kDa
<b>Format</b>	0.2 µM filtered liquid. Purified from tissue culture supernatant in an animal free facility
<b>Concentration</b>	Lot specific
<b>Size</b>	5 mg

<b>Buffer</b>	PBS, pH 7.0. Contains no stabilizers or preservatives. [low endotoxin azide-free]  Endotoxin level: <2EU/mg (<0.002EU/μg). Determined by LAL gel clotting assay Related dilution buffer: CABT-LB04
<b>Preservative</b>	None
<b>Storage</b>	The antibody solution should be stored undiluted at 4°C, and protected from prolonged exposure to light. Do not freeze.
<b>Ship</b>	Wet ice

## BACKGROUND

<b>Introduction</b>	The 1G3 antibody was raised against soluble rat neonatal Fc receptor (FcRn) in an adjuvant. FcRn is a heterodimer composed of a membrane bound heavy chain attached non-covalently to β2-microglobulin. It is structurally similar to MHC class I molecules. The 1G3 antibody is used in studies of the MHC class I heavy chain FcRn heterodimers and their interaction with IgG.
<b>Keywords</b>	FcRn Heavy Chain Heterodimers;FcRn;Neonatal Fc receptor

## GENE INFORMATION

<b>Official Symbol</b>	Neonatal Fc receptor
<b>Synonyms</b>	FcRn Heavy Chain Heterodimers; FcRn; Neonatal Fc receptor
<b>References</b>	Powner, M. B., et al. (2014). "Expression of neonatal Fc receptor in the eye." Invest Ophthalmol Vis Sci 55(3): 1607-1615. PubMed;