

Identification and characterization of a transmembrane isoform of CD160 (CD160-TM), a unique activating receptor selectively expressed upon human NK cell activation.

Jérôme Giustiniani, Armand Bensussan, Anne Marie-Cardine

► **To cite this version:**

Jérôme Giustiniani, Armand Bensussan, Anne Marie-Cardine. Identification and characterization of a transmembrane isoform of CD160 (CD160-TM), a unique activating receptor selectively expressed upon human NK cell activation.. *Journal of Immunology*, Publisher : Baltimore : Williams & Wilkins, c1950-. Latest Publisher : Bethesda, MD : American Association of Immunologists, 2009, 182 (1), pp.63-71. inserm-00352331

HAL Id: inserm-00352331

<https://www.hal.inserm.fr/inserm-00352331>

Submitted on 4 Jan 2010

HAL is a multi-disciplinary open access archive for the deposit and dissemination of scientific research documents, whether they are published or not. The documents may come from teaching and research institutions in France or abroad, or from public or private research centers.

L'archive ouverte pluridisciplinaire **HAL**, est destinée au dépôt et à la diffusion de documents scientifiques de niveau recherche, publiés ou non, émanant des établissements d'enseignement et de recherche français ou étrangers, des laboratoires publics ou privés.

Table I Cellular distribution of CD160 isoforms transcripts

Samples	GPI	TM
Fresh tissues		
PBMCs	+	-
Activated PBMCs	+	+
Cord blood mononuclear cells	+	-
CD34 ⁺ cells	-	-
Thymocytes	-	-
NK cells	+	-
IL-15-activated NK cells	+	+
CD4 ⁺ T cells	-	-
IL-15-activated CD4 ⁺ T cells	+	-
CD8 ⁺ T cells	+	-
IL-15-activated CD8 ⁺ T cells	+	-
T cell clones		
Thymocytes TCR $\alpha\beta$ ⁺ (B12 g)	-	-
TCR $\gamma\delta$ ⁺ cells (LSO)	+	-
CD4 ⁺ TCR $\alpha\beta$ ⁺ cell (C1)	-	-
CD8 ⁺ TCR $\alpha\beta$ ⁺ cell (JF1)	+	-
Tumoral cell lines		
B cell (Daudi)	-	-
T cell (Jurkat, Molt4)	-	-
NK cell (NK92, YT indi, NKL)	+	+

RT-PCR using the primers pair specific for the amplification of the GPI-anchored (GPI) or the transmembrane (TM) transcripts was performed on total mRNA extracted from the indicated sorted cells or cell lines. Data are representative of 3 independent experiments. (-) not detected, (+) positive amplification.