

## HLDA8 PRELIMINARY CROSS-REACTIVITY RESULTS OF ANTI-HUMAN MABS

<b>TROUT 1<sup>st</sup> round</b>	
<b>CD</b>	<b>Source</b>
αCD14	Serotec
αCD42b	serotec
αCD45RO	Dako
αCD60	Serotec
αCD119	Serotec

Numbers indicate the CD markers identified by a cross-reactive mAb.  
 These are the Source companies that supplied the mAb (Serotec, DakoPatts).

### OTHER AVAILABLE REAGENTS FOR TROUT

<b>TROUT</b>		
<b>Accessibility Level:</b> 1= Totally available-e.g. ATTC, or distributed without strings 2= Commercially available, thus accessible at cost 3= available through collaborative agreement only	<b>Reagent</b>	<b>Source</b>
<b>PROTEIN</b>	none	
<b>ANTIBODIES</b>		
2	α-trout Ig	Microtek International
2	α-IgL2C	46E5
2	αIgM	Dr. Greg Warr (Warrsl-14)
1-will be in ATCC in 2005	αp56 LCK	Dr. John Hansen
1-will be in ATCC in 2005	αCD8	Dr. John Hansen
	Partially characterized mAB for CD11A, CD18 and CD45	Dr. John Hansen
	αthrombocyte **	Dr. B. Kollner and Dr. Hansen
<b>LIBRARIES</b>		
	155,000 ESTs completed; completing another 80,000 currently*	Dr. Greg Wiens (Pers Comm) & <a href="http://www.tigr.org/tdb/tgi/">http://www.tigr.org/tdb/tgi/</a>
<b>REAL-TIME PCR PROBES</b>	Many cytokines and chemokines such as TNF,	Dr. John Hansen

	IL-1, IL-2, IL-8, TGF- $\beta$ , IFN, CXC9-11 family members, IL-18, and receptors to IL-1RII, IL-8R, IL-13R, IL-15R and common $\gamma$ chain. Mx1 and MHC as well.	
<b>FULL LENGTH GENES cDNAS</b>		
	CD3 subunits	Dr. John Hansen
	CD4-1 & CD4-2	Dr. John Hansen
	CD28 & CTLA-4	Dr. John Hansen
	CD8a	Dr. John Hansen
	TCR $\alpha$ & $\beta$	Dr. John Hansen
	CD223-1 & CD223-2	Dr. John Hansen
	CD79A	Dr. John Hansen
	IgM, IgD, IgT, IgLC1, IgLC2, IgLC3	Dr. John Hansen
	DCSIGN (CD209)	Dr. John Hansen
	CD83	Dr. John Hansen
	B7 family X 4 (CD80/84-like; PCD-L1 and L2)	Dr. John Hansen
	IFN, TNF, IL-1	Dr. John Hansen

\*Rexroad CE 3rd, Lee Y, Keele JW, Karamycheva S, Brown G, Koop B, Gahr SA, Palti Y, Quackenbush J. Sequence analysis of a rainbow trout cDNA library and creation of a gene index. Cytogenet Genome Res. 2003 102:347-54. Another 80K ESTs are currently being sequenced by the NCCCWA to give a total of 235K ESTs from mixed trout tissues (Dr. Wiens, personal communication).

\*\*Kollner B, Fischer U, Rombout JH, Taverne-Thiele JJ, Hansen JD.

Potential involvement of rainbow trout thrombocytes in immune functions: a study using a panel of monoclonal antibodies and RT-PCR. Dev Comp Immunol (2004) 28:1049-62.